

									L0770: 1, L0769: 1, L0764: 1, L0766: 1, L0776: 1, L0518: 1, L0783: 1, L0438: 1, H0651: 1, L0748: 1, L0740: 1, L0754: 1, L0745: 1, L0756: 1, L0779: 1, L0758: 1, L0591: 1, L0592: 1, H0543: 1 and H0293: 1.			
136	HJMBM38	545752	146	387 - 725	662				H0424: 3, H0545: 2, L0809: 2, S0212: 1, H0255: 1, S0278: 1, H0587: 1, H0559: 1, H0188: 1, H0087: 1, H0551: 1, H0529: 1, L0769: 1, L0761: 1, L0646: 1, L0764: 1, L0363: 1, L0794: 1, L0659: 1, L0783: 1, L0787: 1, L0665: 1, H0660: 1, S0328: 1, H0521: 1, L0777: 1, S0192: 1 and H0422: 1.			
137	HJPAD75	651337	147	60 - 335	663	Pro-42 to Cys-50, Leu-61 to Ala-66.			H0556: 6, L0769: 4, L0771: 4, H0265: 3, L0764: 3, H0083: 2, S0142: 2, L0794: 2, L0803: 2, L0789: 2, L0792: 2, L0438: 2,			

	HJPCP42	844091	414	134 - 805	930	Asp-77 to Leu-82.			
	HJPCP42	852573	415	468 - 494	931				
	HJPCP42	824612	416	1 - 249	932	Thr-21 to Thr-29, Gln-51 to Arg-57.			
139	HKABI84	565078	149	274 - 417	665	Phe-25 to Ser-30.	L0794: 9, L0777: 6, L0809: 4, L0779: 4, L0731: 4, L0766: 3, L0666: 3, L0663: 3, L3825: 3, H0547: 3, S0444: 2, L3459: 2, L3480: 2, L3817: 2, L0483: 2, L0770: 2, L0521: 2, L0768: 2, L0803: 2, L0775: 2, L0805: 2, L0661: 2, L0665: 2, H0144: 2, L3827: 2, L3828: 2, H0658: 2, H0670: 2, S0406: 2, L0439: 2, L0754: 2, L0749: 2, L0756: 2, H0543: 2, H0556: 1, H0657: 1, H0662: 1, S0360: 1, L3262: 1, L2799: 1, H0411: 1, S0278: 1, H0443: 1, H0550: 1, L3816: 1, T0039: 1, L3499: 1, L2647: 1, H0013: 1, H0427: 1, H0575: 1, S0474: 1,		

									H0052: 1, H0591: 1, H0038: 1, H0040: 1, H0616: 1, H0264: 1, H0494: 1, S0440: 1, H0649: 1, L0598: 1, H0529: 1, L0369: 1, L0640: 1, L3904: 1, L0662: 1, L0804: 1, L0375: 1, L0378: 1, L0806: 1, L0653: 1, L0776: 1, L0807: 1, L0788: 1, L0664: 1, L2259: 1, L2654: 1, L3812: 1, S0126: 1, H0689: 1, H0435: 1, H0539: 1, H0696: 1, S0176: 1, H0555: 1, H0785: 1, L0747: 1, L0755: 1, L0757: 1, L0758: 1, L0608: 1, L0362: 1, S0026: 1, S0424: 1 and L3808: 1.				
140	HKABZ65	862030	150	77 - 808	666	Ser-25 to Ala-31, Gln-146 to Ser-151, His-231 to Asn-236.	H0494: 1						
	HKABZ65	665424	417	69 - 800	933	Ser-25 to Ala-31, Gln-146 to Ser-151, His-231 to Asn-236.							
141	HKACB56	554616	151	27 - 269	667	Tyr-39 to Lys-58.	H0494: 4, L0045: 1 and L0806: 1.						

142	HKACD58	1352202	152	38 - 940	668	<p>Thr-42 to Pro-53, Val-78 to Glu-86, Glu-103 to Met-112, Ala-124 to Gly-131, Trp-158 to Glu-168, Gln-189 to Phe-210, Ala-221 to Gly-226, Arg-274 to Asp-284, Ala-294 to Gly-299.</p>	<p>S0360: 12, S0436: 3, S0194: 3, S0114: 2, H0483: 2, S0408: 2, L3504: 2, H0575: 2, H0581: 2, S0344: 2, L2262: 2, H0519: 2, L0754: 2, H0139: 1, L2884: 1, H0657: 1, H0656: 1, S0420: 1, S0356: 1, S0410: 1, L2333: 1, H0151: 1, S0046: 1, L3127: 1, H0549: 1, H0613: 1, H0427: 1, H0546: 1, H0081: 1, H0355: 1, S0312: 1, H0032: 1, H0383: 1, H0551: 1, H0264: 1, T0042: 1, H0494: 1, H0386: 1, H0509: 1, H0649: 1, S0210: 1, L0646: 1, L0804: 1, L0805: 1, L0809: 1, L5622: 1, L2651: 1, L2265: 1, L2702: 1, H0682: 1, H0435: 1, H0670: 1, H0672: 1, H0521: 1, H0696: 1, H0134: 1, S0206: 1, L0741: 1, L0743: 1, L0744: 1,</p>		
-----	---------	---------	-----	----------	-----	--	---	--	--

								L0756: 1, L0596: 1, L0581: 1, L0593: 1, L0595: 1, L0366: 1, S0242: 1, S0196: 1, H0423: 1 and H0506: 1.			
	HKACD58	552465	418	35 - 499	934	Thr-42 to Pro-53, Val-78 to Glu-86, Glu-103 to Met-112, Ala-124 to Gly-131.					
143	HKACH44	545015	153	375 - 509	669	Cys-25 to Trp-30.		L0769: 3, L0809: 2, L0750: 2, H0663: 1, S0356: 1, S0360: 1, S6026: 1, S0278: 1, H0559: 1, H0486: 1, H0618: 1, H0024: 1, H0606: 1, H0494: 1, H0560: 1, H0538: 1, L0646: 1, L0800: 1, L0764: 1, L0662: 1, L0794: 1, L0766: 1, L0803: 1, L0656: 1, L0664: 1, H0547: 1, H0672: 1, S0328: 1, L0757: 1 and H0543: 1.			
144	HKAEV06	1352263	154	501 - 1814	670	Thr-6 to Trp-13, Thr-75 to Gln-80, Thr-112 to Tyr-117, Leu-133 to Pro-138, Ala-146 to Phe-153, Gln-319 to Ser-325,		L0438: 2, L0758: 2, S0442: 1, S0354: 1, S0444: 1, H0741: 1, L0021: 1, T0082: 1, H0046: 1, H0494: 1, S0440: 1, L3815: 1,			

							Val-354 to His-372, Pro-391 to Gly-396, Val-405 to Thr-412, Ile-425 to Asp-437.	L0800: 1, L0662: 1, L5574: 1, L0803: 1, L0776: 1, L0659: 1, L2655: 1, L2653: 1, S0374: 1, H0547: 1, H0672: 1, S0330: 1, H0521: 1, H0696: 1, L0439: 1, L0752: 1, L0594: 1 and H0543: 1.			
	HKA EV06	638238	419	197 - 370	935		Thr-6 to Trp-13.				
145	HKA FT66	946512	155	508 - 831	671		Ser-51 to Thr-57.	S0474: 5, S0422: 3, H0580: 2, S0444: 1, H0494: 1 and H0543: 1.			
	HKA FT66	889258	420	508 - 831	936		Ser-51 to Thr-57.				
	HKA FT66	904790	421	234 - 347	937		Gln-23 to Asp-28.				
146	HKB IE57	876571	156	178 - 879	672		Ser-7 to Pro-14, Arg-47 to Arg-52, His-117 to Val-123, Glu-142 to Thr-149, Leu-162 to Ala-167, Gly-172 to Asn-177, Thr-226 to Ala-232.	L0747: 4, L0766: 3, L0776: 3, L0665: 3, H0328: 2, L0763: 2, L0769: 2, L0772: 2, L0764: 2, L0666: 2, L0745: 2, L0750: 2, L0777: 2, L0759: 2, L0608: 2, H0556: 1, S0116: 1, H0384: 1, S0360: 1, S0408: 1, H0637: 1, H0722: 1, H0735: 1, H0619: 1, H0492: 1, H0156: 1, H0421: 1, H0620: 1, S0051: 1, H0083: 1,			

									H0510: 1, H0266: 1, H0031: 1, H0634: 1, H0560: 1, S0440: 1, H0132: 1, H0695: 1, L0800: 1, L0521: 1, L0662: 1, L0774: 1, L0806: 1, L0807: 1, H0144: 1, H0690: 1, H0658: 1, H0521: 1, H0522: 1, L0439: 1, L0746: 1, L0752: 1, L0480: 1, L0589: 1, L0592: 1, H0543: 1 and H0422: 1.				
	HKB1E57	654871	422	30 - 170	938	Met-1 to Tyr-6, Thr-38 to Ala-44.							
147	HKFBC53	1352286	157	64 - 1473	673	Arg-52 to Ala-58, Thr-121 to Lys-126, Gly-156 to Gln-164, Gly-201 to Glu-215, Thr-432 to Gly-450, Glu-461 to Gly-466.				L0794: 11, H0521: 11, S0002: 8, L0805: 8, L0803: 7, S0278: 6, S0144: 6, L0774: 4, L0777: 4, S0380: 3, H0265: 2, H0556: 2, H0255: 2, H0638: 2, L0761: 2, L0776: 2, L0809: 2, S0406: 2, S0298: 1, S0420: 1, S0356: 1, H0431: 1, H0618: 1, H0546: 1, H0100: 1, H0429: 1, H0494: 1, H0509: 1,			

								S0142: 1, S0426: 1, L0640: 1, L0763: 1, L0770: 1, L3904: 1, L0800: 1, L0804: 1, L0806: 1, L0807: 1, L4669: 1, L5622: 1, L5623: 1, L0791: 1, L0792: 1, L0666: 1, L2261: 1, S0374: 1, H0690: 1, H0522: 1, S0390: 1, L0740: 1, L0751: 1, L0756: 1, L0779: 1 and L0731: 1.			
	HKFBC53	701893	423	41 - 1369	939	Ala-28 to Ala-33, Arg-38 to Leu-48, Thr-120 to Lys-125, Gly-155 to Gln-163, Gly-200 to Glu-214.					
	HKFBC53	513190	424	3 - 929	940	Ala-1 to Gly-6, Ala-10 to Tyr-18.					
	HKFBC53	383426	425	3 - 731	941	Ala-1 to Gly-6, Ala-10 to Tyr-18.					
148	HKGDL36	877489	158	53 - 835	674	Pro-36 to Gly-42, Gly-54 to Arg-65, Ala-85 to Ala-91, Ala-95 to Gln-102, Ala-115 to Pro-121, Pro-166 to Asp-191, Lys-243 to Ala-249.	H0424: 28, L0803: 25, L0805: 9, L0636: 7, L0774: 5, L0770: 4, H0661: 2, S0222: 2, L0157: 2, L0638: 2, L3904: 2, L0776: 2, L0659: 2, L0809: 2, L0789: 2, H0539: 2,				

									L0592: 2, H0295: 1, S0114: 1, H0663: 1, S6026: 1, H0549: 1, H0748: 1, H0571: 1, S0051: 1, T0006: 1, H0033: 1, H0604: 1, H0213: 1, H0418: 1, H0417: 1, H0538: 1, L0769: 1, L3905: 1, L0794: 1, L0647: 1, L0787: 1, H0684: 1, H0672: 1, L0749: 1, L0753: 1, L0759: 1, S0260: 1, S0434: 1 and S0436: 1.				
	HKGDL36	704088	426	55 - 501	942	Pro-36 to Gly-42, Pro-64 to Ala-76, Gly-83 to Ala-90, Ser-100 to Cys-108, Thr-126 to Ser-135.							
149	HKISB57	625956	159	130 - 417	675	Ala-23 to Arg-36, His-38 to Ala-46, Pro-50 to Gly-56, Arg-85 to Val-94.				L0747: 5, L0731: 5, H0031: 4, L0599: 4, S0045: 3, H0411: 3, H0494: 3, L0783: 3, L0743: 3, L0758: 3, L0759: 3, L0604: 3, H0295: 2, S0356: 2, S0360: 2, S0046: 2, H0413: 2, L0774: 2, H0651: 2, S0027: 2,			

									H0059: 1, T0042: 1, L0475: 1, L0803: 1, L0775: 1, H0593: 1, L3215: 1, S0013: 1, L0758: 1 and H0707: 1.			
151	HKMLP68	1037919	161	130 - 372	677			Gln-27 to Trp-33, Gly-53 to Trp-61.	H0549: 1 and H0431: 1.			
	HKMLP68	880047	427	153 - 395	943			Gln-27 to Trp-33, Gly-53 to Trp-61.				
	HKMLP68	583524	428	471 - 611	944			Lys-17 to Ser-47.				
152	HKMMD13	604751	162	342 - 491	678				H0431: 1			
153	HKMMW74	581399	163	202 - 327	679				H0431: 1			
154	HKMND01	527402	164	23 - 175	680				H0431: 1			
155	HLDBE54	836041	165	155 - 1108	681			Glu-39 to Gly-45, Thr-51 to Gly-60, Ala-63 to Gln-77, Gly-122 to Asn-129, Leu-175 to Ser-181, Thr-193 to Pro-199, Thr-236 to Gly-241, Asn-256 to Lys-279, Glu-311 to Leu-317.	H0616: 1 and H0509: 1.			
	HLDBE54	600362	429	130 - 399	945			Glu-39 to Gly-45, Thr-51 to Gly-60, Ala-63 to Gln-82.				
	HLDBE54	800678	430	133 - 1590	946			Thr-36 to Arg-41, Pro-55 to Pro-60, Pro-67 to Leu-72, Asn-111 to Ser-118, Cys-138 to Asp-144,				

						L0740: 2, L0754: 2, L0750: 2, L0593: 2, H0667: 2, H0170: 1, H0171: 1, H0685: 1, H0662: 1, S0354: 1, S0360: 1, H0580: 1, H0728: 1, H0151: 1, H0747: 1, L3388: 1, H0357: 1, H0586: 1, H0331: 1, H0574: 1, H0635: 1, H0575: 1, H0263: 1, H0596: 1, H0545: 1, H0012: 1, H0620: 1, H0350: 1, H0355: 1, H0510: 1, H0428: 1, H0604: 1, H0031: 1, H0553: 1, S0366: 1, H0040: 1, H0063: 1, H0059: 1, H0560: 1, H0561: 1, S0440: 1, S0422: 1, H0529: 1, L0640: 1, L0637: 1, L0761: 1, L0772: 1, L0646: 1, L4556: 1, L0774: 1, L0375: 1, L0653: 1, L0382: 1, L5622: 1, L0793: 1, L4501: 1, H0723: 1, L0352: 1, S0152: 1, S0350: 1,
--	--	--	--	--	--	--

									H0521: 1, H0696: 1, S0044: 1, H0627: 1, S0027: 1, L0749: 1, L0752: 1, H0595: 1, S0436: 1, L0591: 1, L0595: 1, L0361: 1, S0011: 1, S0194: 1, S0276: 1 and H0423: 1.			
161	HLDRM43	846330	171	24 - 479	687	Trp-35 to Trp-45, Pro-52 to Asp-57, Thr-73 to Arg-82, Pro-105 to Leu-112, Pro-115 to Arg-127, Pro-140 to Gln-151.			S0410: 24, S0408: 6, H0792: 5, S0358: 4, S0444: 4, S0406: 4, L0748: 4, H0661: 3, H0393: 3, H0574: 3, S0438: 3, S0440: 3, H0509: 3, L0764: 3, S0442: 2, S0360: 2, H0742: 2, H0510: 2, S0374: 2, H0730: 1, H0722: 1, H0776: 1, H0331: 1, H0204: 1, H0150: 1, H0615: 1, H0059: 1, L0772: 1, L0803: 1, L0774: 1 and L0791: 1.			
	HLDRM43	638939	431	164 - 619	947	Trp-35 to Trp-45, Pro-52 to Asp-57, Thr-73 to Arg-82, Pro-105 to Leu-112, Pro-115 to Arg-127, Pro-140 to Gln-151						

162	HLD RP33	647430	172	215 - 340	688	Ser-31 to Gln-41.	S0222: 1 and H0510: 1.		
163	HLHAL68	684216	173	30 - 164	689	Leu-32 to His-38.	H0024: 1		
164	HLHFP03	460467	174	224 - 574	690	Tyr-28 to Phe-34, Thr-54 to Val-60, Tyr-73 to Thr-82.	L0742: 4 and H0024: 1.		
165	HLIBD68	778073	175	186 - 338	691	Met-37 to Ser-43.	L0157: 7, L0794: 6, H0040: 4, L0439: 4, L0758: 4, H0556: 3, L0803: 3, L0005: 2, L0471: 2, H0059: 2, T0004: 2, L0769: 2, L0761: 2, L0805: 2, T0002: 1, H0685: 1, S0134: 1, S0110: 1, H0176: 1, S0356: 1, S0222: 1, H0441: 1, H0370: 1, H0486: 1, H0014: 1, H0083: 1, H0355: 1, H0286: 1, H0606: 1, H0163: 1, H0090: 1, H0561: 1, L0521: 1, L0766: 1, L0774: 1, L0809: 1, L0788: 1, L0665: 1, H0539: 1, H0696: 1, L0748: 1, L0749: 1, L0777: 1, H0543: 1 and H0423: 1.		
166	HLICQ90	791828	176	249 - 869	692	Pro-55 to Gly-66, Phe-92 to Leu-103.	H0046: 10, L0748: 6, L0758: 3, L0776: 2,		

167	HLMBO76	626831	177	43 - 366	693			L0742: 2, L0744: 2, L0750: 2, S0444: 1, S0360: 1, H0619: 1, L0717: 1, H0331: 1, H0013: 1, H0235: 1, H0355: 1, H0687: 1, H0674: 1, H0038: 1, H0623: 1, L0805: 1, L0809: 1, L0789: 1, L0666: 1, L0663: 1, S0428: 1, H0520: 1, H0539: 1, S0404: 1, L0740: 1, L0749: 1, L0756: 1, S0031: 1, S0026: 1 and H0008: 1.		
168	HLTEJ06	543017	178	197 - 364	694	Gln-25 to Phe-43.		L0439: 6, S0410: 3, L0794: 2, H0255: 1, H0163: 1, H0745: 1, L0796: 1, L0662: 1, L0766: 1, L0776: 1, L0666: 1, L0438: 1, L0352: 1, H0659: 1, H0521: 1 and L0755: 1. L0769: 3, L0777: 3, S0422: 2, L0803: 2, L0775: 2, H0547: 2, S0408: 1, S0278: 1, H0090: 1, L0766: 1, L0774: 1, L0515: 1, H0519: 1, L0748: 1,		

									L0749: 1, L0755: 1, L0759: 1 and L0592: 1.			
169	HLTHR66	699812	179	5 - 232	695				H0036: 2, S0132: 1, S0010: 1, S0250: 1, H0591: 1 and H0130: 1.			
170	HLTIP94	1087335	180	226 - 516	696			Gly-4 to Glu-9, Asp-22 to Cys-28, Glu-39 to Leu-44, Phe-88 to Phe-94.	H0170: 1, S6026: 1 and I7 H0591: 1.			
	HLTIP94	1035443	432	226 - 423	948			Gly-4 to Glu-9.				
	HLTIP94	1047690	433	3 - 899	949			Gly-1 to Glu-8, Gly-37 to Gly-61, Gln-71 to Phe-81, Asp-95 to Gly-103, Leu-126 to Ile-131, Val-166 to Glu-171.				
171	HLWAA17	629552	181	436 - 996	697			Lys-17 to Glu-27, Gln-40 to Gly-47.	S0410: 24, L0748: 18, S0436: 12, H0547: 8, L0731: 8, H0556: 7, H0039: 6, L0666: 6, H0046: 5, H0059: 5, L0775: 5, L0439: 5, L0755: 5, H0622: 4, L0662: 4, L0740: 4, L0751: 4, L0779: 4, H0575: 3, H0553: 3, H0529: 3, L0769: 3, L0659: 3, L5623: 3, L0588: 3, L0593: 3, S0011: 3, H0255: 2,			

					H0599: 1, T0082: 1, H0318: 1, H0251: 1, T0110: 1, H0545: 1, H0150: 1, H0041: 1, H0620: 1, H0024: 1, H0057: 1, H0014: 1, S0051: 1, H0083: 1, S0024: 1, H0355: 1, H0266: 1, H0271: 1, H0188: 1, S0250: 1, H0328: 1, H0615: 1, L0483: 1, H0030: 1, H0031: 1, H0111: 1, H0032: 1, H0383: 1, H0674: 1, H0211: 1, L0456: 1, H0068: 1, H0135: 1, H0040: 1, H0634: 1, H0551: 1, H0412: 1, S0450: 1, H0647: 1, H0646: 1, S0144: 1, S0142: 1, S0344: 1, S0210: 1, L0761: 1, L0372: 1, L0764: 1, L0767: 1, L0768: 1, L0649: 1, L5574: 1, L0375: 1, L0651: 1, L0784: 1, L0654: 1, L0807: 1, L0515: 1, L0658: 1, L0383: 1, L0663: 1,				
--	--	--	--	--	--	--	--	--	--

									L0664: 1, S0006: 1, H0520: 1, H0593: 1, H0682: 1, H0684: 1, H0658: 1, H0670: 1, H0696: 1, S0406: 1, S0027: 1, L0754: 1, L0747: 1, L0750: 1, L0752: 1, S0434: 1, L0591: 1, L0603: 1, S0106: 1, H0668: 1, H0542: 1 and H0423: 1.			
172	HLWAA88	588485	182	35 - 376	698	Ala-43 to Trp-57, Ser-81 to Ser-97, Pro-102 to Cys-113.			L0803: 7, L0774: 4, H0553: 3, L0771: 3, H0662: 2, L5566: 2, L0794: 2, L0752: 2, H0592: 1, H0412: 1, L2270: 1, L0807: 1, L0793: 1, H0593: 1, L0747: 1, L0755: 1 and S0434: 1.			
	HLWAA88	769166	434	51 - 1514	950	Ala-43 to Trp-57, Ser-81 to Gly-88, Tyr-125 to Asp-134, Pro-141 to Gly-154, Val-172 to Glu-178, Lys-296 to Gly-305, Leu-307 to Arg-314, Thr-335 to His-341.						
173	HLWAD77	653513	183	326 - 748	699				L0748: 10, L0759: 6, S0436: 4, S0007: 3,			

									S0438: 1, S0150: 1, H0641: 1, S0142: 1, L0764: 1, L0767: 1, L0775: 1, L0806: 1, L0653: 1, L0776: 1, L0791: 1, L0666: 1, L0665: 1, S0428: 1, L0438: 1, H0689: 1, H0435: 1, H0660: 1, H0648: 1, S0328: 1, S0330: 1, H0539: 1, L0602: 1, S0152: 1, H0522: 1, S0406: 1, S0027: 1, L0753: 1, L0731: 1, L0758: 1, S0434: 1, S0276: 1, S0196: 1 and H0423: 1.			
174	HLWAE11	783071	184	28 - 861	700	Asp-55 to Asp-67, Ser-76 to His-81, Lys-96 to Gly-103, Met-111 to Gly-133, Gln-222 to Ile-228, Lys-250 to Tyr-258.			H0056: 2, H0056: 2, H0050: 1, H0050: 1, H0266: 1, H0266: 1, H0553: 1, H0553: 1, H0521: 1, H0521: 1, L0748: 1 and L0748: 1.	22q13.1	103050, 103050, 124030, 124030, 138981, 182380, 188826, 190040, 190040, 190040, 218040, 602049, 603590	

175	HLWAO22	587270	185	212 - 1276	701	Cys-126 to Thr-138, Glu-165 to Gly-172, Thr-189 to Leu-200, Gly-222 to Gly-229, Pro-346 to Lys-354.	L0439: 8, L0751: 6, L0747: 6, L0665: 5, L0438: 4, L0779: 4, H0012: 3, L0748: 3, H0620: 2, H0594: 2, H0424: 2, H0553: 2, S0144: 2, L0769: 2, L0771: 2, L0809: 2, H0144: 2, H0593: 2, S0027: 2, L0777: 2, L0758: 2, L0587: 2, H0422: 2, H0171: 1, H0713: 1, H0664: 1, H0619: 1, S0222: 1, H0492: 1, L3653: 1, H0618: 1, H0253: 1, H0581: 1, H0052: 1, H0150: 1, H0024: 1, S0388: 1, S0364: 1, H0135: 1, H0040: 1, L0640: 1, L3905: 1, L0761: 1, L0372: 1, L0773: 1, L0648: 1, L0662: 1, L0766: 1, L0774: 1, L0629: 1, L0666: 1, L0664: 1, H0658: 1, H0521: 1, S3014: 1, H0543: 1 and H0423: 1.		
176	HLWBH18	1045194	186	107 - 289	702	Arg-18 to Trp-33,	H0553: 1		

178	HLYAC95	778075	188	92 - 232	704		H0445: 1		
179	HMADK33	561941	189	161 - 619	705	Gly-43 to Gly-55.	L0438: 9, L0439: 9, L0776: 8, H0144: 7, L0741: 7, H0271: 6, S0222: 5, L0769: 5, H0052: 4, L0770: 4, L0766: 4, L0659: 4, L0666: 4, L0759: 4, H0295: 3, S0360: 3, L0370: 3, L0510: 3, H0556: 2, S0007: 2, H0261: 2, L0021: 2, H0046: 2, H0009: 2, S0051: 2, S0366: 2, H0059: 2, L0763: 2, L0784: 2, L0633: 2, L0783: 2, L0789: 2, L0790: 2, L0792: 2, L0743: 2, L0747: 2, L0749: 2, L0756: 2, L0757: 2, L0758: 2, H0445: 2, L0588: 2, L0594: 2, L0366: 2, H0265: 1, S6024: 1, H0638: 1, S0376: 1, S0045: 1, H0550: 1, H0370: 1, H0587: 1, N0009: 1, H0013: 1, S0280: 1, H0599: 1, S0010: 1, S0049: 1,		

181	HMAMI15	1352406	191	4 - 1023	707	Gly-33 to Lys-41, Pro-52 to Lys-60, Asn-81 to Ala-86, Lys-156 to Met-164, Gln-283 to Lys-292, Glu-303 to Gly-308.	H0662: 1, S0418: 1, H0619: 1, H0549: 1, H0590: 1, H0052: 1, H0083: 1, H0266: 1, H0286: 1, H0644: 1, S0036: 1, H0433: 1, H0412: 1, H0413: 1, T0042: 1, S0144: 1, S0142: 1, S0344: 1, L0770: 1, L0761: 1, L0774: 1, H0518: 1, L0777: 1, L0758: 1 and H0665: 1.		
	HMAMI15	1049263	436	3 - 923	952	Gly-33 to Lys-41, Pro-52 to Lys-60, Asn-81 to Ala-86.	H0624: 2, S0354: 2, S0442: 1, S0444: 1, S0278: 1, S0222: 1, H0586: 1, L0021: 1, H0036: 1, H0031: 1, L0769: 1, L0804: 1, L0774: 1, H0658: 1, H0521: 1, S0406: 1, L0748: 1 and S0462: 1.		
182	HMCIFY13	635301	192	175 - 369	708		L0800: 2, H0550: 1, H0497: 1, S0344: 1, L0769: 1, L0789: 1 and L0749: 1.		
183	HMDAB56	560676	193	273 - 407	709		L0809: 2, H0346: 1,		

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

185	HMEAI48	1352290	195	36 - 299	711	Arg-48 to Lys-55, Gly-61 to Glu-70.	S0242: 1 and H0543: 1. H0266: 1		
	HMEAI48	709671	437	95 - 217	953	Gln-34 to Lys-40.			
186	HMEED18	560775	196	34 - 699	712	Gln-85 to Lys-91, Pro-106 to Ser-117, Pro-124 to Ala-130, Trp-154 to Trp-160.	L0439: 20, L0157: 8, L0794: 8, L0805: 6, H0739: 5, L0731: 5, L0804: 4, S0222: 3, L0766: 3, L0438: 3, S0356: 2, H0741: 2, H0050: 2, S0144: 2, L0803: 2, L0655: 2, L0663: 2, L2654: 2, H0521: 2, H0522: 2, L0749: 2, L0779: 2, L0777: 2, L0755: 2, L0759: 2, H0265: 1, S6024: 1, S0116: 1, S0444: 1, H0733: 1, S6026: 1, H0298: 1, H0592: 1, L0622: 1, H0486: 1, H0013: 1, H0250: 1, H0635: 1, H0156: 1, S0474: 1, H0581: 1, H0046: 1, L0471: 1, H0012: 1, H0014: 1, H0373: 1, H0073: 1, H0266: 1, S0336: 1, H0039: 1, S0036: 1, H0040: 1,		

									H0634: 1, H0551: 1, H0561: 1, S0438: 1, S0440: 1, H0529: 1, L0769: 1, L0764: 1, L0662: 1, L0774: 1, L0775: 1, L0809: 1, L0790: 1, L0792: 1, L0666: 1, L0664: 1, L0665: 1, L0709: 1, L2653: 1, H0144: 1, H0659: 1, H0658: 1, H0670: 1, S0378: 1, H0696: 1, H0555: 1, H0576: 1, S0028: 1, L0745: 1, L0747: 1, L0780: 1, S0434: 1, S0436: 1 and H0668: 1.			
187	HMEFT54	520307	197	332 - 451	713				L0757: 3, L0662: 2, H0686: 1, S0444: 1, H0266: 1, L0055: 1, L0763: 1, L0800: 1, L0764: 1, L0768: 1, L0805: 1, L0653: 1, L0666: 1, H0690: 1, H0672: 1, L0751: 1, L0777: 1 and L0758: 1.			
188	HMEGF92	520304	198	92 - 280	714	Ser-34 to Ser-39.			H0266: 1, L0438: 1 and L0439: 1.			
189	HMSDL37	973996	199	531 - 725	715	Ser-31 to Lys-45, Pro-47 to Pro-53,			L0517: 2, S0050: 1, H0014: 1, H0510: 1,	3,3p		

						Ser-58 to Arg-63.	H0040: 1, H0264: 1, S0002: 1, S0374: 1 and L0758: 1.			
	HMSDL37	895429	438	528 - 722	954	Ser-31 to Lys-45, Pro-47 to Pro-53, Ser-58 to Arg-63.				
	HMSDL37	904241	439	565 - 645	955					
	HMSDL37	750927	440	2 - 151	956					
190	HMSFI26	560229	200	120 - 308	716		S0002: 1			
191	HMSGT42	383470	201	40 - 315	717	Pro-65 to Cys-71.	L0754: 14, L0752: 14, S0360: 11, L0742: 10, L0758: 9, H0341: 8, H0551: 8, L0750: 8, H0046: 7, S0003: 7, L0749: 7, H0170: 6, S0354: 6, S0408: 6, L0483: 6, H0038: 6, L0771: 6, H0144: 6, S0152: 6, L0439: 6, L0747: 6, H0543: 6, H0486: 5, S0440: 5, L0775: 5, S0374: 5, S0126: 5, S0380: 5, L0745: 5, H0013: 4, T0067: 4, S0002: 4, L0769: 4, L0662: 4, L0774: 4, L0806: 4, L0664: 4, L0665: 4, L0740: 4, S0026: 4, S0192: 4, H0624: 3,			

					H0657: 3, H0580: 3, H0581: 3, H0050: 3, H0039: 3, H0622: 3, H0031: 3, S0142: 3, L0520: 3, L0646: 3, L0766: 3, L0518: 3, L0438: 3, H0547: 3, H0659: 3, L0731: 3, L0596: 3, S0116: 2, H0662: 2, H0638: 2, S0358: 2, S0376: 2, S0046: 2, H0393: 2, H0431: 2, S0280: 2, H0156: 2, H0575: 2, H0327: 2, L0471: 2, H0620: 2, H0051: 2, H0083: 2, H0553: 2, H0644: 2, H0032: 2, H0090: 2, H0616: 2, T0042: 2, S0438: 2, H0529: 2, L0761: 2, L0764: 2, L0649: 2, L0653: 2, L0776: 2, L0659: 2, L0666: 2, L0663: 2, H0520: 2, H0519: 2, H0658: 2, H0670: 2, H0660: 2, H0539: 2, H0521: 2, H0522: 2, H0696: 2, S3012: 2, L0759: 2,				
--	--	--	--	--	--	--	--	--	--

					S0031: 2, H0595: 2, S0434: 2, L0589: 2, L0605: 2, L0608: 2, L0604: 2, L0593: 2, L0601: 2, H0667: 2, S0194: 2, H0171: 1, T0002: 1, H0220: 1, H0159: 1, S0342: 1, S0218: 1, H0650: 1, H0656: 1, H0669: 1, H0664: 1, L0481: 1, S0418: 1, S0356: 1, S0442: 1, H0637: 1, S0045: 1, H0619: 1, H0437: 1, H0549: 1, S0222: 1, H0600: 1, H0586: 1, H0587: 1, H0574: 1, T0114: 1, H0427: 1, L0021: 1, H0599: 1, H0042: 1, H0590: 1, H0004: 1, S0010: 1, S0346: 1, H0251: 1, H0545: 1, H0172: 1, H0012: 1, H0014: 1, H0373: 1, S0388: 1, H0275: 1, S0250: 1, S0214: 1, H0328: 1, H0615: 1, H0628: 1, H0598: 1, H0591: 1, H0634: 1,				
--	--	--	--	--	--	--	--	--	--

193	HMSHS36	1127691	203	134 - 445	719	Thr-28 to Arg-49, Ser-57 to Arg-64, Pro-72 to His-78.	S0002: 1		
	HMSHS36	1028961	441	162 - 473	957	Thr-28 to Arg-49, Ser-57 to Arg-64.			
194	HMSKC04	799540	204	133 - 354	720	Thr-27 to Arg-33, Gly-37 to Ser-42, Pro-52 to Arg-72.	H0264: 2, S0002: 2, S0114: 1 and H0416: 1.		
195	HMUAP70	872208	205	183 - 845	721	Cys-15 to Gly-36.	H0556: 4, H0013: 3, H0052: 3, H0090: 3, H0591: 3, S0010: 2, H0046: 2, S0214: 2, H0032: 2, H0056: 2, H0529: 2, S0432: 2, H0171: 1, S0134: 1, S0212: 1, H0431: 1, H0587: 1, H0559: 1, T0039: 1, T0112: 1, H0575: 1, H0421: 1, S0049: 1, H0050: 1, H0012: 1, H0510: 1, S6028: 1, H0181: 1, H0617: 1, S0036: 1, H0413: 1, H0623: 1, H0059: 1, S0386: 1, H0494: 1, S0126: 1, H0539: 1, H0543: 1 and H0423: 1.		
	HMUAP70	723302	442	413 - 724	958	Lys-83 to Thr-90.			
	HMUAP70	778820	443	251 - 844	959				

	HMUAP70	674913	444	62 - 379	960						
	HMUAP70	646810	445	60 - 263	961						
	HMUAP70	381964	446	60 - 128	962						
196	HMVBS81	639203	206	34 - 453	722		H0544: 4, L0775: 3, L0748: 3, H0265: 2, H0046: 2, T0010: 2, H0424: 2, L0769: 2, L0771: 2, L0774: 2, L0659: 2, L0382: 2, H0696: 2, L0750: 2, L0755: 2, L0731: 2, L0757: 2, L0758: 2, L0608: 2, H0685: 1, S0040: 1, S0114: 1, S0218: 1, L0785: 1, H0341: 1, S0212: 1, H0484: 1, H0662: 1, S0360: 1, H0411: 1, H0592: 1, L0623: 1, H0156: 1, H0253: 1, H0263: 1, H0204: 1, H0150: 1, H0050: 1, H0012: 1, H0510: 1, H0606: 1, L0055: 1, S0364: 1, H0124: 1, H0163: 1, H0090: 1, H0087: 1, H0413: 1, H0494: 1, H0509: 1, S0210: 1, L0770: 1, L0764: 1, L0773: 1,				

								L0794: 1, L0766: 1, L0658: 1, L0666: 1, S0126: 1, S3012: 1, S3014: 1, L0745: 1, L0747: 1, L0777: 1, S0031: 1, S0434: 1, L0605: 1, L0366: 1 and H0543: 1.			
197	HMWDC28	460487	207	124 - 252	723			H0341: 2, L0803: 2, L0439: 2, L0747: 2, S0376: 1, S0360: 1, S0222: 1, H0674: 1, H0038: 1, L0655: 1, L0809: 1, L0666: 1, L0754: 1, L0756: 1, L0757: 1 and L0591: 1.			
198	HMWFT65	562063	208	72 - 437	724			H0341: 1			
199	HMWGY65	1308287	209	42 - 1514	725	Pro-18 to Gly-30, Arg-98 to Cys-103, Glu-106 to Arg-111, Ser-117 to Gly-122, Glu-132 to Ala-140, Pro-247 to Arg-252, Val-301 to Ala-308, Pro-334 to Ser-339, Arg-348 to Thr-354, Glu-427 to Gly-439, Gly-442 to Glu-448, Ala-457 to Gly-463.	H0251: 6, L0803: 4, L0439: 4, L0794: 3, L0659: 3, S0206: 3, L0749: 3, H0624: 2, H0713: 2, H0341: 2, H0599: 2, H0575: 2, H0050: 2, H0328: 2, H0413: 2, L0805: 2, L0776: 2, H0716: 1, H0662: 1, S0356: 1, S0360: 1, H0733: 1, H0208: 1, H0586: 1, H0333: 1, H0486: 1,				

									H0618: 1, H0318: 1, H0123: 1, L0471: 1, H0024: 1, T0006: 1, H0644: 1, S0210: 1, L0769: 1, L0638: 1, L0648: 1, L0662: 1, L0804: 1, L0375: 1, L0806: 1, L0783: 1, L0809: 1, L5622: 1, L0789: 1, L0790: 1, H0689: 1, H0539: 1, H0789: 1, S3014: 1, L0744: 1, L0751: 1, L0777: 1, L0731: 1, H0445: 1 and L2174: 1.			
	HMWGY65	794987	447	42 - 608	963	Pro-18 to Gly-30.						
200	HNEAC05	519340	210	101 - 418	726	Met-1 to Gly-8, Thr-33 to Cys-38, Arg-79 to Arg-89.				H0179: 1		
201	HNEEB45	1036397	211	139 - 312	727	Thr-43 to Arg-51.				H0179: 1 and H0100: 1.		
	HNEEB45	842650	448	226 - 399	964							
202	HNEEE24	553558	212	213 - 428	728					L0747: 2, L0758: 2, H0580: 1 and H0179: 1.		
203	HNFFC43	753337	213	488 - 691	729	Asp-21 to Ser-29.				H0521: 6, H0036: 2, H0052: 2, H0271: 2, H0551: 2, H0543: 2, H0265: 1, H0556: 1, S0354: 1, H0392: 1, H0581: 1, H0063: 1,		

									H0059: 1, H0494: 1, H0561: 1, L3829: 1, H0520: 1, H0522: 1, S0436: 1, L0595: 1, H0506: 1 and L0600: 1.			
204	HNFY77	634551	214	228 - 929	730	Pro-47 to Met-53, Ser-130 to Ser-138.			L0539: 1, S0442: 1, H0619: 1, H0581: 1, T0010: 1, H0416: 1, H0622: 1, H0131: 1, H0521: 1 and H0653: 1.			
205	HNFJF07	577013	215	86 - 286	731	Val-25 to Gly-33.			H0271: 2, H0581: 1, H0051: 1, H0163: 1, L0599: 1 and H0422: 1.			
206	HNGAK47	561488	216	89 - 211	732				H0271: 1 and S0052: 1.			
207	HNGBC07	1037631	217	81 - 830	733	Glu-30 to Arg-44, Asp-58 to Cys-67, Pro-70 to Pro-75.			S0052: 2	22		
	HNGBC07	904311	449	122 - 256	965	Gly-27 to Ser-42.						
	HNGBC07	904812	450	55 - 189	966	Gly-27 to Ser-42.						
208	HNGDG40	532617	218	13 - 393	734	Gln-2 to Gly-10, Asp-77 to Phe-82.			S0052: 1			
209	HNGEP09	499076	219	72 - 320	735	Asp-45 to Thr-50.			S0052: 2			
210	HNGFR31	553552	220	108 - 380	736				S0052: 1			
211	HNGIJ31	519120	221	135 - 245	737	Pro-18 to Glu-25.						
212	HNGJE50	561568	222	77 - 217	738				S0052: 1			
213	HNGJT54	498272	223	172 - 276	739				S0052: 1 and S0428: 1.			
214	HNGND37	839224	224	388 - 636	740	Asn-46 to Ser-54.			L0749: 4, L0439: 3, H0100: 2, L0770: 2, L0776: 2, H0556: 1,			

									H0638: 1, H0441: 1, T0010: 1, H0687: 1, L0055: 1, L0769: 1, L0809: 1, S0428: 1, H0522: 1, H0694: 1, L0758: 1, L0589: 1 and L0592: 1.		
215	HNGOI12	1041375	225	27 - 200	741	Met-1 to Gly-9.	S0428: 1	11			
	HNGOI12	838184	451	27 - 200	967	Met-1 to Gly-9.					
	HNGOI12	839283	452	596 - 877	968						
216	HNGOM56	836064	226	391 - 558	742	Pro-25 to Glu-40, Lys-50 to His-55.	S0428: 2 and L0368: 1.				
217	HNGOU56	843515	227	317 - 496	743	Ser-34 to Thr-40.	S0428: 1				
218	HNGOW62	892160	228	167 - 331	744	Ser-22 to His-40.	H0556: 1 and S0428: 1.				
219	HNHEU93	634851	229	57 - 302	745		S0053: 1				
220	HNHFM14	664507	230	38 - 280	746	Glu-67 to Ala-74.	L0747: 5, H0619: 4, S0406: 4, L0439: 4, L0777: 4, H0617: 2, L0770: 2, L0769: 2, L0803: 2, L0438: 2, L3827: 2, S0328: 2, L0749: 2, L0779: 2, H0265: 1, L3643: 1, H0484: 1, S0418: 1, H0747: 1, L3388: 1, H0618: 1, S0010: 1, H0052: 1, H0570: 1, H0012: 1, H0014: 1, H0510: 1, H0288: 1, H0622: 1, S0366: 1,	1			

								H0040: 1, H0623: 1, L0351: 1, T0042: 1, L0761: 1, L0764: 1, L0767: 1, L0805: 1, L0655: 1, L0809: 1, S0053: 1, L3828: 1, H0520: 1, H0435: 1, H0659: 1, S3014: 1, L0743: 1, L0756: 1, L0758: 1 and H0136: 1.			
221	HNHFO29	463568	231	160 - 699	747	Lys-97 to Gln-106, Gln-112 to Pro-118, Pro-123 to Lys-130, Arg-153 to Gly-158.		T0042: 1 and S0053: 1.			
222	HNHNB29	895462	232	40 - 201	748	Glu-17 to Lys-30, Val-43 to Asn-53.		S0216: 1			
223	HNHOD46	843488	233	12 - 251	749			S0216: 1			
224	HNHOG73	835026	234	342 - 497	750	Ala-35 to Leu-43.		L0365: 1 and S0216: 1.			
225	HNTBI26	1310821	235	28 - 990	751	Pro-56 to Pro-63, Met-92 to Thr-98, Ser-112 to Pro-120, Pro-162 to Glu-173, Ala-200 to Ser-210, Lys-311 to Asn-320.		H0124: 23, L0774: 4, L0740: 3, S0212: 2, S0360: 2, L3388: 2, L0659: 2, L0757: 2, S0436: 2, H0170: 1, H0713: 1, H0580: 1, S0045: 1, H0393: 1, S0220: 1, H0333: 1, H0643: 1, H0574: 1, H0013: 1, S0280: 1, H0581: 1, H0544: 1, H0150: 1, H0059: 1,			

									H0509: 1, L0369: 1, L0640: 1, L0521: 1, L0363: 1, L0775: 1, L0654: 1, L0776: 1, L0559: 1, L0384: 1, L0790: 1, L0664: 1, L2258: 1, L2260: 1, H0519: 1, S0027: 1, S0206: 1, L0747: 1, L0749: 1, L0780: 1, L0731: 1, L0759: 1 and H0542: 1.			
	HNTBI26	796807	453	32 - 547	969	Pro-56 to Pro-63, Met-92 to Thr-98, Ser-112 to Pro-120, Pro-162 to Ser-169.						
	HNTBI26	590738	454	16 - 411	970	Pro-56 to Pro-63, Met-92 to Thr-98, Arg-107 to Pro-120.						
226	HNTBL27	545534	236	100 - 447	752	Arg-45 to Thr-52, Tyr-60 to Gly-66, Ala-87 to Trp-92, Leu-105 to Ser-115. L0794: 3, L0663: 2, S0360: 1, H0042: 1, H0253: 1, H0150: 1, H0633: 1, S0142: 1, H0538: 1, L0804: 1, L0790: 1, L0791: 1, L0666: 1, L0664: 1, L0665: 1, H0519: 1, L0747: 1, L0749: 1, L0779: 1, L0777: 1, L0755: 1 and L0731: 1.						

227	HNTCE26	1160395	237	111 - 1316	753	<p>Tyr-2 to Gly-15, Trp-192 to Asp-199, Lys-248 to Leu-253, Arg-330 to Lys-336, Gln-354 to Val-364, Val-383 to Ser-392.</p>	H0580: 5, L0754: 5, H0615: 4, L0805: 4, L0748: 4, L0731: 4, H0031: 3, S0440: 3, L0659: 3, L0758: 3, L2346: 2, S0278: 2, L0804: 2, L0809: 2, H0547: 2, H0352: 2, H0657: 1, H0656: 1, S0418: 1, S0442: 1, S0444: 1, L3649: 1, H0741: 1, H0645: 1, H0574: 1, H0486: 1, L3521: 1, H0013: 1, S0010: 1, H0327: 1, H0046: 1, L0041: 1, H0510: 1, S0214: 1, H0328: 1, H0030: 1, H0553: 1, H0644: 1, H0032: 1, S0344: 1, S0002: 1, L0369: 1, L0667: 1, L0364: 1, L0794: 1, L0803: 1, L0775: 1, L0776: 1, L0789: 1, L0666: 1, L0663: 1, L2653: 1, L0438: 1, H0519: 1, H0670: 1, H0521: 1, L0744: 1, L0439: 1, L0747: 1, L0779: 1,		
-----	---------	---------	-----	------------	-----	--	--	--	--

231	HODFN71	1194866	241	1 - 477	757	Lys-50 to Phe-57, Ser-70 to Arg-77, Tyr-81 to Ser-87, Pro-112 to Thr-117.	H0423: 1. H0615: 2 and H0624: 1.		
	HODFN71	834999	457	27 - 473	973	Lys-39 to Phe-46, Ser-59 to Arg-66, Tyr-70 to Ser-76, Pro-101 to Thr-106.			
232	HODGE68	834907	242	87 - 266	758	Leu-2 to Gln-7.	H0615: 1		
233	HOEDB32	634994	243	104 - 784	759	Pro-34 to Ser-43, Glu-54 to Ser-60.	L0807: 6, L0747: 5, S0126: 4, L0779: 4, L0771: 3, H0696: 3, L0740: 3, L0750: 3, S0358: 2, S0222: 2, L0471: 2, L0772: 2, L0662: 2, L0774: 2, L0809: 2, H0690: 2, H0670: 2, S0378: 2, L0439: 2, L0755: 2, L0757: 2, L0362: 2, T0049: 1, S0180: 1, S0212: 1, H0662: 1, S0442: 1, S0360: 1, H0722: 1, H0208: 1, H0486: 1, T0039: 1, T0040: 1, L2637: 1, L0021: 1, H0327: 1, H0546: 1, H0545: 1, H0123: 1, H0012: 1,		

									H0620: 1, H0024: 1, H0687: 1, H0615: 1, H0551: 1, H0413: 1, T0042: 1, L0065: 1, S0150: 1, L0637: 1, L0646: 1, L0363: 1, L0649: 1, L0775: 1, L0806: 1, L0652: 1, L0661: 1, L0657: 1, L0647: 1, L0793: 1, L0663: 1, L0664: 1, L0708: 1, L2651: 1, H0144: 1, S0374: 1, S0148: 1, H0547: 1, H0519: 1, H0539: 1, S0152: 1, S0406: 1, S0028: 1, L0745: 1, L0756: 1, L0780: 1, L0759: 1, S0434: 1, S0436: 1, L0361: 1, S0194: 1 and H0352: 1.			
234	HOFMQ33	1184465	244	49 - 1503	760	Leu-37 to Gly-44, Thr-137 to Leu-144, Ala-178 to Asn-184, Asp-194 to Val-201, Leu-252 to Glu-258, Asp-280 to Tyr-293, Asn-296 to Thr-301, Asp-322 to Asp-348, Asn-363 to Ser-368,	H0415: 1					

							His-370 to Thr-378, Asn-380 to Cys-386, Glu-391 to Cys-399, Leu-421 to Arg-426, Glu-454 to Tyr-459.			
	HOFMQ33	919896	458	48 - 1502	974		Leu-37 to Gly-44, Pro-46 to Gly-51, Thr-137 to Leu-144, Ala-178 to Asn-184, Asp-194 to Val-201, Leu-252 to Glu-258, Asp-280 to Tyr-293, Asn-296 to Thr-301, Asp-322 to Asp-348, Asn-363 to Ser-368, His-370 to Thr-378, Asn-380 to Cys-386, Glu-391 to Cys-399, Leu-421 to Arg-426, Glu-454 to Tyr-459.			
	HOFMQ33	906694	459	78 - 875	975		Leu-37 to Gly-43.			
	HOFMQ33	902639	460	724 - 741	976					
	HOFMQ33	702186	461	123 - 374	977		Met-2 to Ser-9.			
235	HOFMT75	911180	245	83 - 1315	761		Thr-30 to Met-36, His-121 to Thr-136, Leu-231 to Gly-236, Thr-248 to Pro-256, Gly-342 to Thr-353.	H0415: 3, S0002: 2, S0212: 1, H0255: 1, S0358: 1, H0318: 1, H0045: 1, H0264: 1, S0144: 1, H0555: 1 and L0741: 1.		
	HOFMT75	905365	462	83 - 427	978		Thr-30 to Met-36.			

					H0241: 1, H0402: 1, L0534: 1, L0539: 1, S0376: 1, S0444: 1, S0410: 1, H0728: 1, H0734: 1, H0229: 1, S0045: 1, H0749: 1, S6026: 1, H0406: 1, S0220: 1, H0441: 1, H0415: 1, H0438: 1, H0362: 1, H0333: 1, H0574: 1, H0486: 1, L1819: 1, T0060: 1, H0013: 1, H0427: 1, H0599: 1, H0575: 1, H0318: 1, S0474: 1, H0581: 1, H0374: 1, H0085: 1, T0110: 1, H0150: 1, H0563: 1, S0388: 1, S0051: 1, H0687: 1, H0039: 1, H0030: 1, H0553: 1, H0644: 1, H0628: 1, H0166: 1, L0455: 1, H0708: 1, S0366: 1, H0090: 1, H0591: 1, H0038: 1, H0551: 1, H0380: 1, H0623: 1, S0386: 1, T0042: 1, H0494: 1, H0561: 1, S0370: 1, H0509: 1,	
--	--	--	--	--	--	--

									L0774: 2, L0805: 2, L0776: 2, L0783: 2, L0809: 2, L0751: 2, L0747: 2, S0040: 1, S0420: 1, S0442: 1, S0376: 1, S0360: 1, S0408: 1, H0580: 1, H0550: 1, L0586: 1, H0036: 1, S0346: 1, H0581: 1, T0110: 1, H0597: 1, H0530: 1, H0123: 1, H0083: 1, H0354: 1, H0510: 1, T0069: 1, H0560: 1, S0210: 1, L0763: 1, L0637: 1, L0646: 1, L0800: 1, L0771: 1, L0773: 1, L0775: 1, L0659: 1, L0789: 1, L0666: 1, H0691: 1, H0576: 1, H0478: 1, H0626: 1, L0731: 1, H0444: 1, L0592: 1 and S0242: 1.					
	HOF0C73	907073	465	23 - 226	981	Thr-47 to Pro-55.								
	HOF0C73	907072	466	127 - 171	982	Pro-1 to Val-7.								
	HOF0C73	878863	467	142 - 162	983									
238	HOGAW62	579891	248	259 - 426	764	Met-1 to Gly-6, Trp-23 to Arg-29, Ala-38 to Ser-45.	H0435: 2, S0114: 1, L0606: 1 and H0779: 1.							

239	HOHCH55	827481	249	221 - 1702	765	Met-1 to Phe-6, Arg-44 to Arg-52, His-64 to Cys-69, Tyr-99 to Gln-147, His-158 to Gly-169, Phe-177 to Asp-182, Cys-194 to Cys-202, Gly-213 to Phe-218, Pro-224 to Gly-236, Asp-254 to Trp-261, Asp-263 to Ala-303, Trp-305 to Cys-316, Lys-326 to Asp-332, Pro-334 to Cys-343, Pro-350 to Asp-370, Thr-407 to Asn-413, Gly-425 to Cys-431, Asp-449 to Asp-459, Gly-472 to Asn-483.	S0276: 12, S0196: 5, H0024: 4, S0250: 4, S0022: 3, S0040: 2, S0028: 2, S0298: 1, T0082: 1, H0545: 1, S0206: 1, S0011: 1 and S0194: 1.		
	HOHCH55	815682	468	230 - 1636	984	Met-1 to Phe-6, Arg-44 to Arg-52, His-64 to Cys-69, Tyr-99 to Gln-147, His-158 to Gly-169, Phe-177 to Asp-182, Cys-194 to Cys-202, Gly-213 to Phe-218, Pro-224 to Gly-236, Asp-254 to Trp-261, Asp-263 to Ala-303,			

							Trp-305 to Cys-316, Lys-326 to Asp-332, Pro-334 to Cys-343, Pro-350 to Asp-370, Thr-407 to Asn-413, Gly-425 to Cys-431, Asp-449 to Gly-460.				
240	HOQBJ82	1352356	250	361 - 852	766		Ser-30 to Met-36, Ile-38 to Pro-46, Gln-78 to Gly-88, Thr-98 to Pro-105, Gly-110 to Ser-122, Ser-136 to Trp-144.				L0766: 12, L0758: 7, H0616: 4, L0439: 4, L0754: 4, L0747: 4, L0779: 4, L0777: 4, L0601: 4, H0657: 3, H0656: 3, H0081: 3, H0031: 3, H0038: 3, S0222: 2, H0455: 2, H0618: 2, H0617: 2, T0042: 2, H0494: 2, S0210: 2, H0529: 2, L0769: 2, L0662: 2, L0794: 2, L0665: 2, H0445: 2, H0543: 2, H0170: 1, H0394: 1, H0556: 1, T0002: 1, S0029: 1, H0662: 1, S0358: 1, S0045: 1, S0046: 1, S0140: 1, L0717: 1, H0370: 1, H0392: 1, H0497: 1, H0574: 1, H0253: 1, H0318: 1, H0597: 1,

						Gln-78 to Gly-88, Thr-98 to Pro-105, Gly-110 to Ser-122.				
	HOQBJ82	857453	470	55 - 1029	986					
241	HOSBY40	589431	251	89 - 259	767				S0418: 1, H0393: 1, S0003: 1, L0766: 1, L0804: 1 and S0052: 1.	
242	HOSDJ25	854234	252	1076 - 1195	768	Gly-18 to Lys-23, Pro-31 to Gly-38.			L0754: 4, L0749: 4, L0659: 3, L0755: 3, S0356: 2, L0803: 2, L0750: 2, L0779: 2, L0599: 2, S0029: 1, H0661: 1, S0354: 1, H0642: 1, T0040: 1, L0021: 1, H0599: 1, H0510: 1, S0003: 1, H0674: 1, H0316: 1, H0623: 1, S0422: 1, L0794: 1, L0522: 1, L0774: 1, L0526: 1, L0809: 1, H0520: 1, H0659: 1, H0670: 1, L0752: 1, L0608: 1 and S0242: 1.	
	HOSDJ25	566845	471	146 - 268	987	Gly-18 to Lys-23, Pro-31 to Gly-38.				
243	HOSFD58	614040	253	56 - 1927	769	Asn-15 to Trp-20, Ser-36 to Gly-41, Pro-103 to Val-110, Pro-134 to Arg-143,			L0666: 8, H0013: 7, H0046: 7, S0126: 7, S0214: 6, L0756: 6, L0439: 5, L0749: 5,	

					H0581: 1, T0115: 1, H0050: 1, L0471: 1, H0014: 1, H0373: 1, H0051: 1, S0051: 1, T0010: 1, S6028: 1, H0266: 1, H0687: 1, H0428: 1, H0039: 1, H0553: 1, H0644: 1, H0628: 1, H0674: 1, H0124: 1, H0090: 1, H0551: 1, T0067: 1, H0268: 1, L0351: 1, T0041: 1, T0042: 1, S0440: 1, H0641: 1, H0646: 1, S0142: 1, S0344: 1, S0002: 1, H0529: 1, L0763: 1, L0769: 1, L0643: 1, L0771: 1, L0521: 1, L0794: 1, L0766: 1, L0803: 1, L0774: 1, L0651: 1, L0517: 1, L0519: 1, L5622: 1, L0664: 1, L0665: 1, L0352: 1, L3827: 1, H0519: 1, S0122: 1, H0689: 1, H0648: 1, H0672: 1, H0539: 1, S0380: 1, S0136: 1, H0478: 1, L0744: 1,	
--	--	--	--	--	--	--

								L0779: 1, L0780: 1, L0758: 1, L0759: 1, S0436: 1, L0599: 1, S0026: 1, H0665: 1, H0136: 1 and H0542: 1.			
	HOSFD58	383513	472	477 - 659	988	Gly-28 to Leu-42, Met-52 to Leu-58.					
244	HPDDC77	1306899	254	51 - 446	770	Arg-29 to Pro-37, Gln-46 to Val-56.		L0754: 5, L0752: 5, H0616: 4, L0362: 4, L0717: 3, H0587: 3, H0013: 3, L0766: 3, L0804: 3, S0136: 3, L0744: 3, L0745: 3, L0485: 3, L0005: 2, S0360: 2, H0156: 2, L0021: 2, H0575: 2, H0581: 2, H0271: 2, H0687: 2, H0039: 2, H0553: 2, H0598: 2, H0413: 2, L0649: 2, L0774: 2, L0809: 2, L0666: 2, H0593: 2, S0378: 2, L0751: 2, H0543: 2, H0624: 1, H0170: 1, H0657: 1, S0116: 1, S0376: 1, T0008: 1, H0586: 1, H0486: 1, H0635: 1, H0427: 1, H0274: 1, H0009: 1, H0123: 1,			

								H0266: 1, S0340: 1, S0003: 1, H0252: 1, T0023: 1, H0032: 1, H0674: 1, H0040: 1, H0488: 1, S0438: 1, S0422: 1, H0529: 1, L0369: 1, L0762: 1, L0646: 1, L0773: 1, L0648: 1, L0662: 1, L0775: 1, L0655: 1, L0527: 1, L0659: 1, L0663: 1, L0664: 1, L0665: 1, S0428: 1, H0144: 1, H0702: 1, S0374: 1, H0435: 1, H0658: 1, H0670: 1, H0521: 1, H0187: 1, H0436: 1, L0750: 1, L0686: 1, L0599: 1, S0192: 1, S0242: 1, S0194: 1 and H0506: 1.			
	HPDDC77	422936	473	510 - 905	989	Arg-29 to Pro-37, Gln-46 to Val-56.					
245	HPEAD79	520202	255	51 - 176	771	Lys-16 to Ser-21, Gly-36 to Asp-41.	H0165: 1				
246	HPFCL43	535710	256	21 - 260	772	Pro-14 to Asp-25, Leu-51 to Val-63.	L0766: 3, L0731: 3, S0358: 2, H0529: 2, L0794: 2, L0777: 2, L0759: 2, H0624: 1, H0657: 1, S0408: 1,				

247	HPIBO15	1310868	257	128 - 763	773	Asp-40 to Glu-50, Ser-59 to Gly-69, Leu-109 to Lys-117, Tyr-130 to Leu-137, Leu-140 to Glu-160, Gly-202 to Tyr-208.	H0441: 1, H0562: 1, H0083: 1, H0169: 1, H0413: 1, L0763: 1, L0500: 1, L0772: 1, L0768: 1, L5574: 1, L0803: 1, L0804: 1, L0655: 1, L0809: 1, L0664: 1, H0144: 1, S0374: 1, H0648: 1, L0742: 1, L0745: 1, L0750: 1, L0752: 1, L0758: 1 and H0422: 1. L0747: 8, L0749: 5, L0755: 5, H0013: 3, L0769: 3, L0731: 3, S0212: 2, L0770: 2, L0803: 2, H0144: 2, L0756: 2, H0624: 1, H0171: 1, S0282: 1, H0776: 1, H0592: 1, H0427: 1, H0575: 1, H0041: 1, H0124: 1, H0163: 1, H0038: 1, L0637: 1, L0774: 1, L0775: 1, L0791: 1, H0648: 1, H0756: 1, S0028: 1, L0439: 1, L0777: 1 and S0436: 1.		
	HPIBO15	590741	474	127 - 648	990	Asp-40 to Glu-50, Ser-59 to Gly-69,			

							Ala-98 to His-105, Arg-108 to Glu-114, Pro-124 to Ser-138, Ala-143 to Gly-154.				
248	HPICB53	1042309	258	170 - 325	774			S0150: 1	11,12		
	HPICB53	867835	475	163 - 318	991						
249	HPJBI33	685699	259	236 - 397	775		Arg-30 to Gln-36.	S0152: 1			
250	HPJBK12	1011467	260	126 - 272	776			S0152: 2	4,8		
	HPJBK12	525375	476	119 - 265	992						
	HPJBK12	796925	477	969 - 1001	993						
	HPJBK12	699587	478	509 - 523	994						
251	HPMDK28	846357	261	64 - 669	777		Ala-55 to Asn-60, Lys-65 to Met-71, Leu-75 to Asn-86, Asp-93 to Asp-110, Leu-130 to Cys-138, Gln-149 to Glu-154, Thr-172 to Ile-179, Glu-185 to Arg-192.	S0358: 5, L0809: 4, L0742: 4, L0743: 4, L0590: 4, H0543: 4, S0360: 3, H0031: 3, S0422: 3, L0763: 3, L0764: 3, L0766: 3, L0754: 3, H0716: 2, H0333: 2, H0266: 2, H0617: 2, L4497: 2, L0769: 2, L0776: 2, H0658: 2, H0696: 2, L0748: 2, L0749: 2, H0445: 2, S0434: 2, S0110: 1, H0663: 1, L0481: 1, H0730: 1, H0747: 1, H0411: 1, H0431: 1, H0370: 1, H0574: 1, H0632: 1, L2490: 1, H0253: 1,			

								L0456: 1, H0124: 1, H0708: 1, S0036: 1, H0038: 1, H0616: 1, H0087: 1, H0059: 1, H0280: 1, S0440: 1, S0150: 1, H0633: 1, L0369: 1, L0763: 1, L0769: 1, L0638: 1, L0637: 1, L5566: 1, L0761: 1, L0772: 1, L0648: 1, L0803: 1, L0650: 1, L0805: 1, L0809: 1, L0647: 1, L0665: 1, H0539: 1, H0521: 1, H0696: 1, H0555: 1, L0754: 1, L0749: 1, L0753: 1, L0755: 1, L0757: 1, L0605: 1, L0599: 1 and L3352: 1.			
	HPRAL78	844216	480	70 - 1245	996	Pro-31 to Thr-48, Arg-62 to Gly-70, Ala-74 to Glu-87, Lys-123 to Asp-129, Pro-162 to Gly-167, Glu-170 to Gly-189, Arg-220 to Asn-228.					
	HPRAL78	484735	481	148 - 339	997	Ser-49 to Arg-54.					
254	HPRBC80	829136	264	94 - 1254	780	Asp-6 to His-13, Asp-114 to Gly-131,	L0805: 5, L0809: 5, L0759: 4, L0740: 3,				

	HPRBC80	720095	482	404 - 613	998					
255	HPTTG19	635033	265	215 - 364	781				H0424: 3, H0637: 2, H0213: 2, H0265: 1, H0556: 1, L0375: 1 and L0530: 1.	
256	HPZAB47	585702	266	34 - 177	782	Lys-32 to Lys-38.			L0530: 2, S0470: 1, S0360: 1, T0003: 1, H0488: 1, L0789: 1, S0378: 1 and S0168: 1.	
257	HRAAB15	658717	267	35 - 514	783	Asn-49 to Gln-54, Glu-150 to Asp-159.			L0809: 2, S0374: 2, H0556: 1, H0580: 1, S0222: 1, H0551: 1, L0770: 1, L0796: 1, L0800: 1, L0804: 1, L0655: 1, H0555: 1 and L0779: 1.	
258	HRABA80	882176	268	144 - 452	784	Ala-30 to Gly-36, Asp-45 to Trp-50, Lys-65 to Cys-71, Pro-80 to Cys-87.			H0555: 1	
	HRABA80	588460	483	130 - 438	999	Ala-30 to Gly-36, Asp-45 to Trp-50, Lys-65 to Cys-71, Pro-80 to Cys-87.				
259	HRACD15	871221	269	252 - 410	785				H0556: 15, H0265: 8, L0751: 8, H0617: 7, L0662: 7, L0766: 5, L0809: 5, H0040: 4, H0494: 4, S0142: 4, L0769: 4, H0555: 4,	

					L0750: 4, H0543: 4, H0341: 3, L0534: 3, H0486: 3, L0649: 3, L0666: 3, H0658: 3, L0749: 3, L0758: 3, H0624: 2, S0040: 2, L0415: 2, H0261: 2, H0549: 2, H0550: 2, H0618: 2, H0052: 2, S0150: 2, L0805: 2, L0807: 2, L0657: 2, L0790: 2, H0539: 2, S0380: 2, L0748: 2, L0747: 2, L0731: 2, L0759: 2, S0434: 2, H0685: 1, S0114: 1, H0583: 1, H0483: 1, H0255: 1, H0305: 1, H0589: 1, H0125: 1, L0539: 1, S0444: 1, S0360: 1, H0729: 1, H0619: 1, S0278: 1, H0392: 1, H0592: 1, L3817: 1, H0485: 1, H0635: 1, S0280: 1, H0599: 1, H0042: 1, H0194: 1, H0546: 1, H0046: 1, H0571: 1, H0050: 1, H0620: 1, H0024: 1, H0594: 1,	
--	--	--	--	--	--	--

						H0266: 1, H0416: 1, H0188: 1, H0290: 1, H0213: 1, H0031: 1, H0644: 1, H0628: 1, H0606: 1, H0166: 1, H0169: 1, H0124: 1, S0366: 1, H0598: 1, H0135: 1, H0038: 1, H0616: 1, H0087: 1, H0100: 1, H0429: 1, S0016: 1, H0561: 1, H0132: 1, H0646: 1, S0422: 1, L0598: 1, H0529: 1, L0763: 1, L0638: 1, L4747: 1, L0761: 1, L0800: 1, L0648: 1, L0774: 1, L0651: 1, L0378: 1, L0776: 1, L0629: 1, L0382: 1, L0788: 1, L0791: 1, L0663: 1, H0144: 1, H0593: 1, H0689: 1, H0659: 1, S0406: 1, S0037: 1, L0745: 1, L0779: 1, L0752: 1, L0755: 1, S0394: 1, L0593: 1, S0026: 1, H0665: 1, H0542: 1, H0423: 1 and H0506: 1.
--	--	--	--	--	--	---

	HRACD15	706332	484	252 - 413	1000				
260	HRACJ35	877666	270	132 - 1550	786	Arg-31 to Lys-37, Lys-58 to Glu-65, Asp-157 to Gly-168, Ile-219 to Gly-225, Ala-260 to Ser-268, Thr-276 to Glu-282.	L0731: 11, L0803: 7, L0748: 7, L0517: 6, L0809: 6, L0749: 6, L0439: 5, S0410: 4, S0002: 4, L0770: 4, L0794: 4, L0805: 4, L3212: 4, S0436: 4, L3388: 3, H0553: 3, L0506: 3, L0747: 3, L0752: 3, H0713: 2, H0661: 2, H0244: 2, H0156: 2, H0644: 2, L0662: 2, L0775: 2, L0666: 2, L0438: 2, H0521: 2, L0757: 2, L0758: 2, L0759: 2, H0171: 1, S0040: 1, H0650: 1, S0212: 1, S0358: 1, S0444: 1, S0360: 1, H0580: 1, H0722: 1, H0208: 1, H0619: 1, H0441: 1, H0537: 1, H0497: 1, H0333: 1, H0632: 1, T0060: 1, H0013: 1, H0427: 1, S0346: 1, H0052: 1, H0231: 1, H0166: 1, H0673: 1, S0364: 1, L0455: 1,		

									H0163: 1, H0040: 1, S0015: 1, H0745: 1, H0509: 1, H0652: 1, S0210: 1, S0426: 1, L0796: 1, L0766: 1, L0804: 1, L0774: 1, L0776: 1, L0659: 1, L0526: 1, L0783: 1, L0529: 1, L0647: 1, L0665: 1, H0144: 1, H0696: 1, H0555: 1, L0611: 1, S0028: 1, S0206: 1, L0751: 1, L0745: 1, S0260: 1, L0599: 1, H0668: 1, L0698: 1 and S0460: 1.			
	HRACJ35	730504	485	99 - 1517	1001	Arg-31 to Lys-37, Lys-58 to Glu-65, Asp-157 to Gly-168, Ile-219 to Gly-225, Ala-260 to Ser-268, Thr-276 to Glu-282.						
	HRACJ35	470546	486	1 - 534	1002	Ile-9 to Gly-15, Ala-50 to Ser-58, Thr-66 to Glu-72.						
261	HRDFD27	567004	271	82 - 333	787		H0305: 2, H0124: 2 and L0749: 1.					
262	HRGBL78	910133	272	30 - 1109	788	Thr-48 to Arg-56, Pro-122 to Glu-127, Lys-135 to Cys-143,	L0740: 25, L0766: 5, L0655: 4, H0650: 2, H0657: 2, H0656: 2,	1				

						Ala-180 to Gly-185, Ala-230 to Tyr-238, Thr-244 to Gln-255, Pro-274 to Ser-279, Thr-284 to Phe-306, Leu-345 to Thr-354.		H0402: 2, H0581: 2, L0761: 2, L0794: 2, H0306: 1, S0408: 1, H0318: 1, H0046: 1, H0266: 1, S0038: 1, H0429: 1, H0560: 1, S0344: 1, L0789: 1, S0053: 1, H0689: 1, H0134: 1, L0779: 1, L0777: 1 and H0445: 1.			
	HRGBL78	904040	487	30 - 626	1003	Thr-48 to Arg-56, Pro-122 to Glu-127, Ala-136 to Tyr-141.					
	HRGBL78	904621	488	11 - 19	1004						
	HRGBL78	863802	489	1048 - 1146	1005	Pro-24 to Arg-32.					
263	HROAJ03	567005	273	19 - 597	789	Lys-41 to Arg-47, Asp-125 to Lys-139, Ser-177 to Glu-185.		H0646: 2, L0783: 2, L0751: 2, H0222: 1, L3645: 1, H0409: 1, H0559: 1, H0590: 1, H0581: 1, L0471: 1, H0622: 1, H0316: 1, H0623: 1, L0788: 1, H0689: 1, S0328: 1, S0390: 1, L0777: 1, L0731: 1 and L0462: 1.			
264	HROAJ39	1181699	274	10 - 1146	790	Ile-4 to Tyr-10, Arg-119 to Pro-126, Glu-152 to Gly-158, Thr-209 to Phe-215.		H0316: 1, L3905: 1, L0565: 1, L0438: 1, H0521: 1, L0439: 1 and L0594: 1.			
	HROAJ39	1114849	490	31 - 879	1006	Arg-40 to Pro-47,					

								L0774: 1, L0666: 1, L2257: 1, L2263: 1, H0659: 1, L0750: 1 and S0436: 1.			
268	HSAWD74	460527	278	142 - 570	794		Leu-51 to Gly-77, Ile-117 to Pro-125.	H0068: 3, S0114: 2, L0534: 2, L0740: 2, H0717: 1, S0134: 1, S0442: 1, S0354: 1, S0476: 1, H0333: 1, H0009: 1, H0560: 1, L5565: 1 and H0576: 1.	7		
	HSAWD74	371416	492	122 - 256	1008		Thr-25 to Cys-30, Pro-35 to Arg-42.				
269	HSAWZ41	580872	279	98 - 271	795		Ile-46 to Tyr-56.	H0305: 4, H0589: 2 and S0114: 1.			
270	HSAXA83	545051	280	92 - 316	796			H0013: 2, H0375: 2, H0521: 2, S0114: 1, S0134: 1, H0341: 1, S0444: 1, H0728: 1, H0735: 1, T0110: 1, H0046: 1, H0457: 1, H0050: 1, H0553: 1, H0202: 1, H0396: 1, L0794: 1, L0803: 1, L0776: 1, L5623: 1, L0789: 1, L0709: 1, H0520: 1, S0044: 1, S0436: 1, L0588: 1 and H0653: 1.			
271	HSAYB43	604143	281	89 - 226	797	Asp-29 to Tyr-34.		S0053: 2, S0114: 1,			

272	HSDEK49	1352253	282	60 - 1256	798	Val-29 to Val-37, Asp-71 to His-76, Gln-78 to Gly-84, Met-105 to His-110, Trp-117 to Asn-123, Lys-179 to Pro-187, Gly-218 to Asp-224, Leu-237 to Ala-243, Thr-256 to Asp-268, Ser-275 to Lys-280, Arg-308 to Glu-314, Glu-326 to Glu-332, Cys-343 to Asp-359.	S0052: 1 and S0216: 1. H0031: 7, L0439: 7, L0754: 7, L3388: 6, L0731: 6, S0002: 5, H0580: 4, H0575: 3, H0309: 3, L0438: 3, H0555: 3, L0758: 3, S0360: 2, L3649: 2, H0553: 2, S0344: 2, S0426: 2, L0775: 2, S0330: 2, L0747: 2, L0779: 2, S0260: 2, L0599: 2, L0603: 2, H0739: 1, H0170: 1, S0116: 1, S0354: 1, S0444: 1, L3645: 1, H0270: 1, S0280: 1, H0590: 1, H0581: 1, H0251: 1, H0014: 1, H0355: 1, H0030: 1, H0644: 1, H0674: 1, H0090: 1, H0063: 1, S0142: 1, L0770: 1, L0769: 1, L0651: 1, L0776: 1, L0659: 1, L0519: 1, L0664: 1, H0682: 1, L0749: 1, L0752: 1, S0031: 1 and H0506: 1.		
	HSDEK49	625998	493	126 - 1043	1009	Val-29 to Val-37,			

							Asp-71 to His-76, Gln-78 to Gly-84, Met-105 to His-110, Trp-117 to Gly-122, Gln-136 to Lys-141, Leu-143 to Ala-149, Thr-162 to Asp-174, Ser-181 to Lys-186, Arg-214 to Glu-220, Glu-232 to Glu-238, Cys-249 to Asp-265.				
273	HSDFJ26	834619	283	99 - 767	799		Ala-21 to Glu-31, Thr-37 to Cys-43, Asp-62 to Ser-79, Lys-134 to Gly-146, Leu-164 to Met-169, Glu-171 to Lys-201.	S0026: 6, S0360: 4, L0662: 4, L0747: 4, L0759: 4, L0755: 3, S0408: 2, H0575: 2, S0474: 2, H0251: 2, H0673: 2, L0766: 2, L0804: 2, L0665: 2, L0608: 2, H0543: 2, H0171: 1, H0686: 1, H0613: 1, H0427: 1, L0021: 1, T0082: 1, H0309: 1, H0150: 1, H0024: 1, L0163: 1, H0266: 1, H0271: 1, S0338: 1, H0252: 1, H0615: 1, H0428: 1, H0030: 1, H0040: 1, H0647: 1, L0369: 1, L0500: 1, L0769: 1,			

								L0638: 1, L0637: 1, L0764: 1, L0767: 1, L0768: 1, L0364: 1, L0794: 1, L0649: 1, L0775: 1, L0805: 1, L0659: 1, L0382: 1, L0666: 1, S0052: 1, H0697: 1, S0328: 1, S0330: 1, S0380: 1, H0521: 1, S0406: 1, H0478: 1, L0754: 1, L0745: 1, L0749: 1, L0779: 1, L0780: 1, L0752: 1, S0031: 1, L0601: 1, S0242: 1 and H0542: 1.			
	HSDFJ26	836071	494	99 - 317	1010	Ala-21 to Glu-31, Thr-37 to Cys-43, Pro-64 to Asp-69.					
274	HSDJJ82	460602	284	79 - 237	800	Pro-45 to Gln-52.	S0260: 1				
275	HSDSB09	1301498	285	16 - 423	801	Glu-33 to Glu-56, Thr-75 to Cys-81.	L0803: 14, L0774: 4, L0770: 2, H0409: 1, H0331: 1 and H0555: 1.				
	HSDSB09	463645	495	22 - 387	1011	Glu-33 to Glu-56, Thr-75 to Cys-81.					
276	HSDSE75	545057	286	160 - 705	802	Tyr-15 to Leu-59, Ala-68 to Asp-85, Pro-87 to Asn-96, His-120 to Lys-129, Ser-153 to Gln-170.	H0646: 2, L0783: 2, L0751: 2, H0222: 1, L3645: 1, H0409: 1, H0559: 1, H0590: 1, H0581: 1, L0471: 1,				

									H0622: 1, H0316: 1, H0623: 1, L0788: 1, H0689: 1, S0328: 1, S0390: 1, L0777: 1, L0731: 1 and L0462: 1.			
277	HSDZR57	651375	287	27 - 212	803		Glu-50 to Glu-61.		L0769: 4, L0803: 3, H0547: 3, H0484: 2, S0410: 2, H0644: 2, H0617: 2, H0413: 2, L0751: 2, H0556: 1, H0650: 1, S0420: 1, S0354: 1, S0360: 1, S0222: 1, H0455: 1, H0559: 1, H0575: 1, H0052: 1, H0545: 1, L0763: 1, L0800: 1, L0648: 1, L0662: 1, L0768: 1, L0794: 1, L0804: 1, L0809: 1, L0789: 1, H0699: 1, H0690: 1, H0660: 1, S0328: 1, L0740: 1, L0750: 1 and H0422: 1.			
278	HSIDJ81	589447	288	8 - 184	804		Glu-37 to Gly-45.		H0036: 1 and L0744: 1.			
279	HSKDA27	1352409	289	786 - 3635	805		Gly-31 to Arg-36, Thr-55 to Glu-62, Ser-64 to Ser-79, Arg-87 to Asp-96, Arg-103 to Ala-109,		S0212: 13, S0126: 12, L0777: 11, S0027: 10, S0028: 10, S0250: 7, H0717: 6, L0662: 6, L0747: 6, S0360: 5,			

						<p>Asp-120 to Arg-126, Gly-294 to Gly-302, Ser-305 to Ala-318, Val-320 to Arg-327, Pro-344 to Thr-351, Thr-383 to Thr-399, Leu-414 to Lys-435, Thr-449 to Ala-457, Gly-461 to Asn-479, Gly-483 to Gln-498, Ser-503 to Arg-514, Lys-532 to Ala-559, Leu-563 to Ser-611, Lys-632 to Tyr-638, Asn-667 to Lys-672, Leu-701 to Met-707, Ser-745 to Lys-755, Lys-761 to Leu-768, Pro-787 to Trp-792, Lys-871 to Met-883, Pro-914 to Tyr-923, Ser-925 to Arg-939, Glu-942 to Tyr-950.</p>	<p>S0022: 5, S0206: 5, L0779: 5, S0194: 5, L0659: 4, L0751: 4, L0731: 4, L0758: 4, H0713: 3, H0716: 3, S0444: 3, H0599: 3, L0163: 3, S0210: 3, L0807: 3, S0390: 3, S0037: 3, S3014: 3, L0740: 3, S0192: 3, H0295: 2, H0486: 2, H0706: 2, H0309: 2, H0023: 2, H0373: 2, H0266: 2, H0039: 2, H0038: 2, L0598: 2, L3872: 2, H0689: 2, L0757: 2, L0759: 2, L0599: 2, S0011: 2, S0040: 1, L2906: 1, S0298: 1, H0661: 1, H0663: 1, H0662: 1, S0420: 1, S0356: 1, S0442: 1, S0408: 1, L2338: 1, S0046: 1, H0411: 1, H0550: 1, H0586: 1, H0587: 1, H0333: 1, T0040: 1, T0060: 1, H0427: 1, H0251: 1, H0150: 1, H0050: 1, H0014: 1,</p>		
--	--	--	--	--	--	--	---	--	--

							Thr-55 to Glu-62, Ser-64 to Ser-79, Arg-87 to Asp-96, Arg-103 to Ala-109, Asp-120 to Arg-126, Gly-294 to Gly-302, Ser-305 to Ala-318, Val-320 to Arg-327, Pro-342 to Thr-351, Thr-383 to Thr-399, Leu-414 to Lys-435, Thr-449 to Ala-457, Gly-461 to Asn-479, Gly-483 to Gln-498, Asn-504 to Val-509.				
	HSKDA27	872570	497	12 - 1673	1013		Gly-27 to Arg-32, Thr-51 to Glu-58, Ser-60 to Ser-75, Arg-83 to Asp-92, Arg-99 to Ala-105, Asp-116 to Arg-122, Gly-290 to Ala-314, Val-316 to Arg-323, Pro-338 to Arg-345, Thr-358 to His-375, Arg-403 to Ser-408, Ser-420 to Ser-436, Thr-447 to Ala-455, Gly-459 to Asn-477, Gly-481 to Gln-496,				

280	HSKGN81	676075	290	353 - 1132	806	Ser-501 to Arg-512, Lys-530 to Lys-554. Ile-60 to Asn-69, Leu-106 to Asp-112, Glu-130 to Gly-136, Phe-160 to Glu-167, Pro-184 to Cys-190, Glu-197 to Ser-202, Arg-215 to Glu-221, Thr-237 to Pro-242.	H0556: 14, L0666: 5, L0438: 5, L0439: 5, L0751: 5, H0266: 4, L0665: 4, L0777: 4, H0161: 3, H0645: 3, H0599: 3, H0594: 3, L0763: 3, H0436: 3, L0747: 3, L0758: 3, L0759: 3, H0423: 3, H0265: 2, H0141: 2, S0045: 2, S0476: 2, H0575: 2, H0421: 2, T0041: 2, H0529: 2, L0770: 2, L0771: 2, L0657: 2, L5623: 2, L0664: 2, H0670: 2, H0518: 2, S0044: 2, L0749: 2, L0757: 2, L0588: 2, L0599: 2, H0585: 1, L3643: 1, H0717: 1, H0716: 1, H0740: 1, H0583: 1, S0116: 1, H0341: 1, H0254: 1, H0255: 1, H0306: 1, H0402: 1, S0360: 1, S0408: 1, S0046: 1, S0132: 1, H0619: 1, H0549: 1,		
-----	---------	--------	-----	------------	-----	--	---	--	--

					H0550: 1, S0222: 1, H0614: 1, H0392: 1, H0455: 1, H0613: 1, H0592: 1, H0586: 1, H0587: 1, S0005: 1, H0497: 1, H0492: 1, H0486: 1, H0250: 1, T0071: 1, H0581: 1, H0052: 1, H0309: 1, H0545: 1, H0050: 1, L0471: 1, H0024: 1, L0183: 1, H0267: 1, H0687: 1, H0286: 1, H0328: 1, L0483: 1, L0053: 1, H0628: 1, H0169: 1, H0674: 1, S0366: 1, H0038: 1, H0634: 1, H0264: 1, H0488: 1, H0268: 1, H0100: 1, T0042: 1, H0494: 1, S0014: 1, H0625: 1, H0509: 1, H0641: 1, S0002: 1, L0637: 1, L3905: 1, L0646: 1, L0773: 1, L0662: 1, L0768: 1, L0652: 1, L0776: 1, L0659: 1, L0783: 1, S0374: 1, H0783: 1, H0593: 1, S0126: 1,				
--	--	--	--	--	--	--	--	--	--

									H0659: 1, H0658: 1, H0648: 1, H0672: 1, S3012: 1, S0028: 1, L0754: 1, L0750: 1, L0731: 1, S0260: 1, S0436: 1, L0596: 1, L0581: 1, S0242: 1, S0194: 1, H0543: 1, S0446: 1, H0506: 1 and H0008: 1.			
	HSKGN81	409905	498	537 - 608	1014	Thr-11 to Pro-22.						
281	HSLCQ82	1352226	291	226 - 477	807				L0744: 2, L0751: 2, L0777: 2, H0580: 1, H0013: 1, S0036: 1, L0659: 1, S0028: 1, L0779: 1, L0780: 1 and L0596: 1.			
	HSLCQ82	589526	499	233 - 406	1015							
282	HSNAD72	467397	292	220 - 327	808				H0163: 2			
283	HSNMC45	1352201	293	225 - 389	809	Glu-23 to Asn-31, Thr-38 to Gly-48.			H0163: 1			
	HSNMC45	545060	500	232 - 309	1016							
284	HSQFP66	460537	294	96 - 332	810	Ser-6 to Arg-15.			S0007: 1, H0555: 1 and S0026: 1.			
285	HSRFZ57	892171	295	82 - 207	811				S0022: 4			
286	HSSFT08	589978	296	125 - 301	812				H0135: 2, L0518: 1 and L0758: 1.			
287	HSSGD52	1352343	297	344 - 2161	813	Pro-7 to Cys-12, Lys-48 to Tyr-62, Arg-182 to His-187,			L0771: 6, L0743: 6, S0002: 5, L0770: 5, L0803: 5, L0805: 5,			

									S0148: 1, H0593: 1, S0126: 1, H0682: 1, H0684: 1, H0435: 1, S0328: 1, S0380: 1, H0710: 1, L3834: 1, H0696: 1, S0044: 1, S0146: 1, S0392: 1, H0627: 1, L0747: 1, L0750: 1, L0777: 1, L0759: 1, S0434: 1, S0026: 1, H0665: 1, H0136: 1 and H0542: 1.			
	HSSGD52	845666	501	338 - 2155	1017	Pro-7 to Cys-12, Lys-48 to Tyr-62, Arg-182 to His-187, Leu-189 to Glu-196, Thr-211 to Gly-226, Leu-270 to Thr-275, Gly-278 to Gly-289, Pro-444 to Asn-449, Glu-453 to Lys-461, Gly-491 to Thr-496, Ser-525 to Trp-532.						
288	HSSGG82	618535	298	203 - 391	814							
289	HSUBW09	413246	299	153 - 323	815	Asp-23 to Gly-29.				L0766: 5, L0749: 3, S0134: 2, L0770: 2, L0794: 2, L0809: 2, L0790: 2, H0556: 1, H0735: 1, L0622: 1, H0457: 1, H0561: 1,		

									L0662: 1, L0804: 1, L5622: 1, H0436: 1, L0779: 1, L0731: 1, L0758: 1, H0136: 1 and H0506: 1.			
290	HSVBU91	596868	300	256 - 528	816	Asp-26 to Asn-31, Ser-37 to His-49, Ala-65 to Ser-73.			H0309: 1			
291	HSYAV50	847358	301	155 - 2173	817	Cys-28 to Pro-33, Arg-41 to Pro-52, Glu-118 to Glu-127, Tyr-130 to Arg-135, Ser-224 to Arg-230, Ser-322 to His-329, Glu-388 to Ala-396, Pro-404 to Pro-411, Ser-443 to Thr-454, Val-456 to Arg-462, Asn-500 to Arg-507.			L0659: 9, L0803: 6, L0794: 5, L0750: 4, S0212: 3, L0809: 3, L0665: 3, L0751: 3, L0759: 3, H0717: 2, S0298: 2, H0402: 2, H0392: 2, H0545: 2, S0250: 2, H0551: 2, L0768: 2, L0666: 2, L2654: 2, L0757: 2, H0667: 2, H0170: 1, H0713: 1, S0420: 1, S0444: 1, H0637: 1, H0592: 1, L0021: 1, H0575: 1, H0251: 1, H0544: 1, H0041: 1, H0014: 1, H0292: 1, H0553: 1, L0143: 1, H0628: 1, H0124: 1, H0616: 1, T0067: 1, H0509: 1, L0637: 1, L0800: 1, L0662: 1,			

									L0774: 1, L0653: 1, L0654: 1, L0807: 1, L0657: 1, L0647: 1, L2261: 1, H0682: 1, H0658: 1, H0648: 1, H0555: 1, S0028: 1, L0747: 1 and L0749: 1.			
292	HTAEE28	1018291	302	319 - 1167	818	Pro-255 to Leu-264.			H0250: 3, H0069: 2, L0771: 2, S0404: 2, H0650: 1, H0656: 1, H0486: 1, H0013: 1, H0318: 1, S0422: 1, L0644: 1, L0768: 1, L0794: 1, L0804: 1, L0655: 1, L0789: 1, L0664: 1, H0436: 1 and L0758: 1.			
	HTAEE28	882919	502	372 - 737	1018							
	HTAEE28	864120	503	124 - 771	1019							
293	HTECC05	1352365	303	13 - 546	819	Gly-41 to Leu-46, Asp-67 to Thr-75, Ile-114 to Gly-122, Pro-156 to Trp-161.			H0617: 10, S0410: 8, L0758: 8, L0769: 7, H0038: 6, L0439: 6, L0750: 6, L0752: 6, S0360: 5, L0775: 5, S0406: 5, H0150: 4, L0157: 4, H0620: 4, H0087: 4, S0440: 4, S0344: 4, L0763: 4, S0328: 4, L0747: 4, H0224: 3, H0484: 3,			

									H0659: 1, H0648: 1, H0521: 1, H0522: 1, S3014: 1, S0027: 1, L0755: 1, L0759: 1, H0445: 1, H0343: 1, H0595: 1, L0608: 1, H0136: 1, S0276: 1, H0542: 1, L0600: 1 and H0352: 1.			
	HTECC05	877448	504	21 - 404	1020	Gly-41 to Leu-46, Asp-67 to Thr-75, Ile-114 to Pro-127.						
	HTECC05	666743	505	27 - 518	1021	Gly-41 to Leu-46, Asp-67 to Thr-75, Ile-114 to Ala-123.						
294	HTEEB42	206980	304	59 - 952	820	Met-1 to His-7.			L0794: 4, H0624: 2, H0038: 2, L0375: 2, S0330: 2, L0750: 2, L0779: 2, H0031: 1, H0644: 1, H0124: 1, H0591: 1, H0616: 1, H0264: 1, H0623: 1, L0770: 1, L0637: 1, L0805: 1, L0663: 1, L0749: 1, L0777: 1, L0780: 1 and L0599: 1.			
295	HTEFU65	543396	305	231 - 371	821	Gly-35 to Gly-40.			H0486: 3, H0253: 1, H0544: 1, H0012: 1, S0388: 1, H0553: 1, H0090: 1, H0038: 1,			

								H0652: 1, L0769: 1, L0641: 1, L0806: 1, H0696: 1, L0748: 1, L0749: 1, S0031: 1 and S0196: 1.			
296	HTEGA76	381995	306	90 - 284	822			H0038: 1 and L0758: 1.			
297	HTELM16	834058	307	121 - 375	823	Ser-38 to Tyr-48, Gly-67 to Trp-74, Tyr-76 to Pro-84.		L0794: 7, L0779: 3, L0758: 3, H0559: 1, H0616: 1 and L0767: 1.			
298	HTELP17	836072	308	164 - 298	824			L0758: 3, S0408: 2, H0031: 2, H0038: 2, L0766: 2, H0521: 2, L0748: 2, H0341: 1, L3659: 1, S0476: 1, H0581: 1, S0051: 1, H0266: 1, H0111: 1, H0616: 1, L0794: 1, L0805: 1, L0787: 1, L0779: 1, L0759: 1, L0593: 1, H0542: 1 and H0543: 1.			
299	HTELS08	847090	309	15 - 491	825	Pro-98 to Gln-106.		H0616: 2, L0758: 2 and H0038: 1.			
300	HTEPG70	834931	310	365 - 634	826	Arg-71 to Ala-82.		H0616: 3, L0758: 3, L0717: 1, H0038: 1 and L0779: 1.			
301	HTGEP89	410582	311	285 - 569	827			L0775: 3, L0779: 2, L0758: 2, S0218: 1, S0001: 1, H0305: 1,			

									H0370: 1, H0574: 1, H0318: 1, H0597: 1, H0545: 1, H0081: 1, S0050: 1, H0014: 1, H0290: 1, H0328: 1, H0264: 1, H0494: 1, L0645: 1, L0805: 1, L0652: 1, L0789: 1, L0749: 1 and L0750: 1.			
311	HTOIZ02	826312	321	243 - 395	837	Arg-20 to Val-29.			H0264: 3, S0134: 2, H0318: 2, H0271: 2, L0748: 2, L0749: 2, H0556: 1, H0663: 1, H0402: 1, H0587: 1, H0013: 1, H0234: 1, H0252: 1, H0616: 1, H0561: 1, L0518: 1, L0544: 1, S0126: 1, S3012: 1, H0444: 1, H0445: 1 and L0596: 1.	17		
	HTOIZ02	847904	508	2 - 721	1024	Gly-1 to Glu-11, His-16 to Pro-24, Gly-31 to Arg-37, Asp-43 to Leu-49.						
312	HTOJK60	545067	322	217 - 315	838				L0438: 6, H0519: 5, H0156: 4, L0747: 4, L0758: 4, L0763: 3, L0783: 3, L0777: 3, T0002: 2, H0341: 2, H0663: 2, H0402: 2,			

									L0645: 1, L0521: 1, L0794: 1, L0650: 1, L0659: 1, L5623: 1, L0789: 1, L0666: 1, L0663: 1, L0664: 1, H0144: 1, H0547: 1, S0152: 1, L0740: 1, L0747: 1, L0750: 1, L0756: 1, L0779: 1, L0757: 1, L0758: 1, L0595: 1 and H0422: 1.			
	HTPCS72	566683	509	530 - 745	1025							
314	HTPIH83	919916	324	118 - 810	840	Ser-29 to Ser-34, Ser-186 to Asp-196, Arg-206 to Ser-225.	H0622: 7, S0360: 3, L0809: 3, L0804: 2, L0774: 2, L0775: 2, L0748: 2, H0484: 1, H0014: 1, S0440: 1, L0646: 1, L0643: 1, L0374: 1, L0764: 1, L0771: 1, L0773: 1, L0662: 1, L0803: 1 and L0788: 1.	X				
	HTPIH83	895024	510	111 - 530	1026	Ser-29 to Ser-34.						
	HTPIH83	898088	511	96 - 353	1027							
315	HTSEW17	460579	325	170 - 283	841		H0087: 1, S0002: 1, L0769: 1, L0789: 1, H0683: 1, H0670: 1, L0748: 1, L0749: 1, L0752: 1 and L0758: 1.					
316	HTTBI76	637725	326	133 - 534	842	Glu-55 to Arg-61,	L0803: 4, L0731: 4,					

						Gln-84 to Ser-92, Ser-99 to Ser-104.	L0774: 3, S0380: 3, S0028: 3, L0758: 3, H0486: 2, S0003: 2, H0040: 2, S0344: 2, L0766: 2, L0775: 2, H0547: 2, L0748: 2, L0756: 2, L0777: 2, L0780: 2, L0753: 2, S0011: 2, H0716: 1, H0638: 1, L0617: 1, S0358: 1, H0411: 1, S0280: 1, H0318: 1, H0355: 1, H0674: 1, H0212: 1, H0135: 1, H0038: 1, H0132: 1, S0142: 1, S0002: 1, H0529: 1, L0804: 1, L0632: 1, L0666: 1, H0682: 1, H0684: 1, H0525: 1, S0044: 1, S0406: 1, H0555: 1, L0747: 1, L0750: 1, L0752: 1, L0755: 1, L0604: 1 and S0026: 1.			
317	HTTBS64	1008159	327	95 - 223	843	Leu-37 to Asn-42.	H0040: 1			
	HTTBS64	863187	512	100 - 228	1028	Leu-37 to Asn-42.				
	HTTBS64	754125	513	175 - 402	1029	Lys-41 to Arg-46.				
318	HTWDF76	714344	328	316 - 570	844		H0436: 1			
319	HTXCV12	1352213	329	175 - 480	845	Gln-29 to Gly-38, Lys-57 to Asp-62.	L0766: 16, L0743: 11, H0692: 8, L0769: 7,			

						L0518: 6, L0748: 6, L0771: 4, L0745: 4, L0779: 4, H0265: 3, S0358: 3, H0494: 3, L0755: 3, H0550: 2, H0486: 2, H0581: 2, H0135: 2, L0761: 2, L0804: 2, L0774: 2, L0438: 2, L0777: 2, H0685: 1, S0114: 1, H0583: 1, L3814: 1, S0116: 1, S0212: 1, H0254: 1, S0408: 1, S0476: 1, T0104: 1, H0586: 1, H0587: 1, H0331: 1, T0109: 1, H0599: 1, L0738: 1, H0150: 1, H0012: 1, H0264: 1, S0438: 1, L0770: 1, L0374: 1, L0764: 1, L0768: 1, L0803: 1, L0653: 1, L0776: 1, L0788: 1, L0792: 1, L0663: 1, S0428: 1, S0053: 1, S0216: 1, H0783: 1, L3811: 1, S0152: 1, H0522: 1, H0555: 1, S0432: 1, L0744: 1, L0751: 1, L0749: 1,	
--	--	--	--	--	--	--	--

								L0756: 1, L0758: 1, S0436: 1, L0601: 1, H0543: 1, H0423: 1, S0424: 1 and H0506: 1.			
	HTXCV12	567006	514	183 - 458	1030	Gln-29 to Gly-38, Lys-57 to Asp-62.					
320	HTXFL30	620001	330	30 - 338	846	Met-1 to Gly-6, Arg-11 to Gly-21.		H0038: 2, H0265: 1, H0556: 1, S0134: 1, S0222: 1, L0455: 1, L0792: 1, S0152: 1, S0028: 1 and L0591: 1.			
321	HTXJM03	603918	331	328 - 498	847	Asp-51 to His-56.		L0766: 5, H0313: 3, H0624: 1, H0265: 1, H0556: 1, S0116: 1, H0329: 1, H0486: 1, H0156: 1, H0590: 1, H0009: 1, S0250: 1, H0169: 1, S0450: 1, S0002: 1, L0769: 1, L0793: 1, L0532: 1, L0750: 1, L0777: 1 and S0424: 1.			
322	HTXON32	838288	332	72 - 230	848	Ala-45 to Gly-50.		H0556: 1			
323	HUFBY15	1352349	333	49 - 525	849	Ser-44 to Leu-51, Arg-81 to Cys-94, Thr-132 to Tyr-140, Arg-143 to Ile-154.		L0794: 5, H0036: 3, S0360: 2, S0442: 1, S0476: 1, H0014: 1, S0314: 1, L0772: 1, L0646: 1, L0764: 1, L0803: 1 and H0689: 1.			
	HUFBY15	846380	515	74 - 508	1031	Ser-44 to Leu-51,					

					H0392: 1, H0409: 1, H0642: 1, H0574: 1, H0559: 1, T0039: 1, L3655: 1, T0109: 1, H0069: 1, H0635: 1, H0253: 1, S0010: 1, S0346: 1, L0040: 1, H0123: 1, L0471: 1, H0047: 1, H0197: 1, T0003: 1, H0015: 1, S0051: 1, H0267: 1, H0179: 1, H0687: 1, H0290: 1, S0250: 1, H0039: 1, T0006: 1, H0674: 1, L0456: 1, H0068: 1, H0376: 1, H0063: 1, T0067: 1, H0264: 1, H0413: 1, L0564: 1, S0438: 1, S0144: 1, H0529: 1, L0769: 1, L0646: 1, L0800: 1, L0767: 1, L0768: 1, L0794: 1, L0650: 1, L0806: 1, L0606: 1, L0661: 1, L0540: 1, L0542: 1, L0382: 1, L0809: 1, L5622: 1, L0788: 1, L0664: 1, H0703: 1, S0374: 1, L3811: 1,				
--	--	--	--	--	--	--	--	--	--

									S0126: 1, H0659: 1, H0658: 1, H0670: 1, H0660: 1, H0672: 1, S0328: 1, H0522: 1, S3014: 1, S0206: 1, S0032: 1, L0741: 1, L0779: 1, L0777: 1, L0753: 1, L0757: 1, L0758: 1, H0445: 1, S0434: 1, L0599: 1, S0011: 1, S0026: 1, H0665: 1, H0667: 1, H0423: 1 and H0721: 1.			
	HUSXS50	883176	518	281 - 1666	1034	Gly-39 to Thr-44, Asn-51 to Thr-62, Pro-88 to Pro-104, Ser-109 to Ser-114.						
	HUSXS50	655372	519	179 - 703	1035	Gln-54 to Gly-61, Asn-79 to Leu-91, Glu-99 to Thr-105, Pro-120 to Gln-126, Pro-128 to Phe-134, Arg-150 to Arg-156, Arg-160 to Arg-170.						
327	HUVEB53	571200	337	14 - 151	853		H0171: 3, L0754: 3, H0431: 2, H0196: 2, H0546: 2, H0623: 2, H0539: 2, H0696: 2, L0744: 2, L0748: 2, L0749: 2, L0758: 2,					

									L0759: 2, S0398: 2, H0624: 1, T0002: 1, S0040: 1, H0341: 1, S0360: 1, H0580: 1, H0587: 1, H0574: 1, H0486: 1, H0036: 1, S0665: 1, H0123: 1, H0014: 1, S6028: 1, S0214: 1, H0553: 1, H0032: 1, L0455: 1, H0598: 1, H0038: 1, H0616: 1, H0056: 1, S0386: 1, S0112: 1, T0042: 1, S0344: 1, S0422: 1, S0002: 1, L0775: 1, L0806: 1, L0805: 1, L0776: 1, S0152: 1, H0704: 1, H0555: 1, H0436: 1, L0439: 1, L0751: 1, L0752: 1, L0731: 1, L0588: 1, L0592: 1, S0026: 1, H0543: 1 and H0423: 1.					
328	HWAAD63	838626	338	322 - 825	854	Pro-53 to Trp-61.	H0441: 1, H0581: 1 and H0604: 1.							
	HWAAD63	833089	520	322 - 483	1036									
	HWAAD63	793875	521	312 - 818	1037									
329	HWABY10	768334	339	263 - 766	855	Pro-67 to Ser-73.	H0521: 8, L0756: 6, L0455: 5, L0770: 5,							

331	HWBCB89	1093347	341	37 - 600	857	Gln-20 to Phe-25, Gly-58 to Ala-66, Gln-69 to Leu-74, Asn-87 to Ile-100, Thr-135 to Trp-142.	L0777: 6, L0766: 4, H0090: 3, L0759: 3, H0657: 2, S0360: 2, H0318: 2, L0471: 2, H0031: 2, L0659: 2, L0740: 2, L0747: 2, L0750: 2, L0758: 2, H0170: 1, H0556: 1, H0656: 1, H0341: 1, S0418: 1, H0637: 1, H0580: 1, H0411: 1, H0549: 1, H0333: 1, H0013: 1, H0599: 1, H0581: 1, H0545: 1, H0012: 1, S0003: 1, H0135: 1, H0551: 1, H0488: 1, H0059: 1, H0647: 1, L0520: 1, L0763: 1, L0769: 1, L4556: 1, L0806: 1, L0805: 1, L0647: 1, L0789: 1, L0663: 1, H0144: 1, S3012: 1, L0748: 1, L0749: 1, L0731: 1, L0757: 1, H0653: 1, H0543: 1, H0423: 1 and H0352: 1.		
	HWBCB89	886210	522	35 - 598	1038	Gln-20 to Phe-25, Gly-58 to Ala-66, Gln-69 to Leu-74,			

335	HWLIH65	793713	345	129 - 626	861			L3603: 1. L0774: 3, H0521: 3, L0777: 3, S0356: 2, S0408: 2, H0124: 2, H0494: 2, L0766: 2, L0666: 2, L0751: 2, L0596: 2, S0040: 1, H0294: 1, S0430: 1, H0656: 1, S0358: 1, S0360: 1, H0729: 1, H0645: 1, H0586: 1, H0587: 1, H0632: 1, H0590: 1, L0045: 1, S0003: 1, H0316: 1, H0598: 1, S0036: 1, H0591: 1, L0564: 1, H0560: 1, H0509: 1, H0641: 1, S0002: 1, L0640: 1, L0662: 1, L0775: 1, L0655: 1, L0659: 1, L0783: 1, L5622: 1, L0663: 1, L2653: 1, H0701: 1, H0689: 1, H0672: 1, H0539: 1, S0406: 1, L0439: 1, L0749: 1, L0786: 1, S0434: 1, S0436: 1, H0543: 1, S0424: 1 and S0446: 1.		
336	HTEAM34	898364	346	136 - 504	862	Leu-26 to Glu-52,		L0758: 5, L0794: 4,		

							Gln-71 to Lys-79.	H0618: 2, H0038: 2 and H0616: 1.		
	HTEAM34	570049	524	63 - 431	1040		Leu-26 to Glu-52, Gln-71 to Lys-79.			
337	HTEJN13	1352272	347	156 - 779	863		Tyr-37 to Cys-49, Gly-51 to Tyr-56, Lys-88 to Trp-93, Phe-125 to Lys-140, Lys-147 to Thr-153, Thr-175 to Asn-188, Ala-203 to Met-208.	L0758: 4, L0770: 2, L0754: 2, L0779: 2, L3643: 1, H0327: 1, H0038: 1, L0769: 1, L0764: 1, L0794: 1, H0658: 1, L0748: 1, L0777: 1, L0780: 1, L0731: 1 and L0465: 1.		
	HTEJN13	658744	525	163 - 639	1041		Tyr-37 to Cys-49, Gly-51 to Tyr-56, Lys-88 to Trp-93, Leu-130 to Glu-136.			
	HTEJN13	381941	526	155 - 367	1042					

Table 1B.2

Gene No:	cDNA Clone ID	Contig ID:	SEQ ID NO:	Tissue Distribution Library Code:Count (see Table 4 for Library Codes)
1	H2CBU83	884134	11	AR182:8, AR314:7, AR271:7, AR280:6, AR315:6, AR216:6, AR052:6, AR224:6, AR225:5, AR164:5, AR215:5, AR270:5, AR165:5, AR162:5, AR310:5, AR245:5, AR166:5, AR161:5, AR169:5, AR223:5, AR266:5, AR172:5, AR039:5, AR192:5, AR163:4, AR193:4, AR207:4, AR176:4, AR269:4, AR175:4, AR226:4, AR243:4, AR217:4, AR273:4, AR168:4, AR282:4, AR204:4, AR291:4, AR265:4, AR183:4, AR274:4, AR299:4, AR214:4, AR205:4, AR206:4, AR194:4, AR060:4, AR272:4, AR238:4, AR186:4, AR222:4, AR053:4, AR197:4, AR089:3, AR257:3, AR295:3, AR289:3, AR311:3, AR221:3, AR171:3, AR191:3, AR250:3, AR235:3, AR252:3, AR275:3, AR309:3, AR177:3, AR180:3, AR173:3, AR178:3, AR246:3, AR312:3, AR188:3, AR292:3, AR298:3, AR284:3, AR212:3, AR201:3, AR285:3, AR189:3, AR296:3, AR181:3, AR300:3, AR185:3, AR253:3, AR202:3, AR281:3, AR237:3, AR184:3, AR268:3, AR233:3, AR286:3, AR232:3, AR308:3, AR277:3, AR267:3, AR228:3, AR288:3, AR316:3, AR239:3, AR195:2, AR242:2, AR263:2, AR033:2, AR287:2, AR196:2, AR213:2, AR264:2, AR259:2, AR174:2, AR294:2, AR096:2, AR234:2, AR293:2, AR290:2, AR190:2, AR255:2, AR055:2, AR219:2, AR198:2, AR230:2, AR254:2, AR313:2, AR297:2, AR258:2, AR170:2, AR218:2, AR247:2, AR061:2, AR236:2, AR219:2, AR192:2, AR264:2, AR231:2, AR256:2, AR261:2, AR104:2, AR240:2, AR262:2, AR283:2, AR229:2, AR227:2, AR260:2, AR200:1, AR203:1, AR179:1, AR244:1, AR199:1, S0414:9, S0422:7, L0662:7, S0444:6, L0748:4, L0581:4, S0442:3, H0031:3, L0666:3, L0754:3, H0656:2, S0358:2, S0360:2, H0013:2, S0438:2, S0440:2, L0598:2, L0803:2, L0540:2, L0756:2, L0752:2, L0758:2, L0759:2, S0242:2, H0624:1, S0282:1, H0742:1, H0393:1, H0586:1, H0574:1, H0036:1, H0004:1, T0103:1, T0110:1, H0571:1, H0569:1, H0123:1, L0471:1, H0594:1, S6028:1, H0622:1, UNKNWN:1, L0649:1, L0381:1, L0776:1, L0659:1, L0528:1, L0792:1, L0793:1, L0663:1, L0664:1, L0665:1, L2257:1, H0144:1, S0374:1, H0547:1, H0593:1, H0690:1, H0670:1, H0648:1, H0672:1, H0651:1, H0539:1, S0378:1, S0380:1, H0521:1, S0406:1, H0555:1, H0478:1, L0744:1, L0731:1 and S0276:1.
2	H2CBU83 H2MAC30	745366 544957	347 12	AR096:11, AR039:10, AR313:10, AR299:10, AR250:9, AR240:8, AR254:8, AR055:8, AR242:8, AR060:7, AR089:7, AR162:7, AR316:6, AR161:6, AR163:6, AR213:6, AR269:6, AR252:5, AR268:5, AR169:5, AR200:5, AR204:5, AR215:5, AR165:5, AR053:5, AR196:5, AR166:5, AR164:5, AR199:5, AR104:5, AR282:5, AR176:5, AR266:5, AR180:4, AR264:4, AR261:4, AR277:4, AR300:4, AR229:4, AR183:4, AR181:4, AR190:4, AR173:4, AR263:4, AR247:4, AR309:4, AR197:4, AR274:4, AR178:4, AR214:4, AR205:4, AR212:4, AR243:4, AR312:4, AR191:4, AR253:4, AR182:4, AR236:4, AR170:4, AR245:3, AR185:3, AR272:3, AR217:3, AR171:3, AR267:3, AR175:3, AR308:3, AR192:3, AR290:3, AR271:3, AR193:3, AR291:3, AR219:3, AR237:3, AR233:3, AR188:3, AR201:3, AR216:3, AR311:3, AR270:3, AR177:3, AR174:3, AR218:3, AR234:3, AR283:3, AR179:3, AR293:3, AR207:3, AR231:3, AR228:3, AR203:3, AR285:3, AR262:3, AR255:2, AR224:2, AR288:2, AR238:2, AR195:2, AR287:2, AR257:2, AR168:2, AR286:2, AR189:2, AR296:2, AR230:2,

3	H6EDC19	543259	13	<p>AR223:2, AR275:2, AR289:2, AR297:1, AR222:1, AR232:1, AR033:1, AR260:1, AR061:1, AR227:1, AR295:1, AR235:1, AR294:1, AR225:1, AR258:1, AR172:1, AR226:1, AR210:1, AR211:1 L0766:16, L0743:11, H0692:8, L0769:7, L0518:6, L0748:6, L0771:4, L0745:4, L0779:4, H0265:3, S0358:3, H0494:3, L0755:3, L3814:2, H0550:2, H0486:2, H0581:2, H0135:2, L0761:2, L0804:2, L0774:2, L0438:2, L0777:2, H0685:1, S0114:1, H0583:1, S0116:1, S0212:1, H0254:1, S0408:1, S0476:1, H0772:1, T0104:1, H0586:1, H0587:1, H0331:1, T0109:1, H0599:1, L0738:1, H0150:1, H0012:1, H0264:1, S0438:1, L0770:1, L0374:1, L0768:1, L0803:1, L0653:1, L0776:1, L0788:1, L0792:1, L0663:1, S0428:1, S0053:1, S0216:1, H0783:1, L3811:1, S0152:1, H0522:1, H0555:1, S0432:1, L0744:1, L0751:1, L0749:1, L0756:1, L0758:1, S0436:1, L0601:1, H0543:1, H0423:1, S0424:1 and H0506:1.</p> <p>AR235:21, AR197:20, AR222:17, AR261:13, AR309:11, AR195:11, AR176:9, AR201:9, AR264:9, AR295:9, AR162:9, AR271:9, AR242:9, AR161:9, AR163:9, AR177:9, AR165:9, AR089:9, AR236:8, AR164:8, AR283:8, AR252:8, AR196:8, AR166:8, AR296:8, AR229:8, AR198:8, AR263:7, AR297:7, AR181:7, AR269:7, AR287:7, AR289:7, AR288:7, AR245:7, AR285:7, AR253:7, AR060:7, AR204:7, AR183:7, AR266:7, AR268:6, AR240:6, AR180:6, AR312:6, AR246:6, AR192:6, AR199:6, AR055:6, AR316:6, AR247:6, AR272:6, AR178:6, AR193:6, AR233:6, AR299:6, AR212:6, AR228:6, AR275:5, AR293:5, AR096:5, AR313:5, AR291:5, AR179:5, AR238:5, AR239:5, AR053:5, AR182:5, AR286:5, AR237:5, AR231:5, AR308:5, AR274:5, AR250:5, AR185:5, AR226:5, AR205:5, AR270:5, AR104:5, AR255:5, AR257:5, AR218:5, AR175:5, AR190:4, AR061:4, AR219:4, AR191:4, AR262:4, AR203:4, AR217:4, AR213:4, AR174:4, AR267:4, AR243:4, AR039:4, AR230:4, AR033:4, AR188:4, AR311:4, AR232:4, AR234:4, AR254:4, AR300:4, AR189:4, AR168:4, AR214:4, AR207:3, AR227:3, AR277:3, AR173:3, AR294:3, AR211:3, AR258:3, AR256:3, AR170:3, AR282:3, AR171:3, AR200:3, AR225:3, AR223:3, AR290:3, AR260:2, AR224:2, AR216:2, AR210:2, AR172:2, AR215:1, AR169:1, L0805:4, H0559:3, L0803:3, H0545:2, L0664:2, L0748:2, L0777:2, L0758:2, L3643:1, H0295:1, H0657:1, S0444:1, H0734:1, H0550:1, S0222:1, T0048:1, H0318:1, H0052:1, H0231:1, H0041:1, H0620:1, H0606:1, H0316:1, H0077:1, L0769:1, L0761:1, L0766:1, L0774:1, L0789:1, H0672:1, H0539:1, S0146:1, L0751:1, L0780:1, L0731:1, S0434:1 and S0196:1.</p>
4	HACBD91	637482	14	<p>AR055:116, AR283:103, AR060:91, AR089:55, AR235:53, AR299:52, AR185:51, AR104:49, AR096:34, AR039:30, AR282:30, AR316:29, AR261:29, AR196:24, AR218:23, AR219:21, AR272:20, AR300:20, AR313:19, AR277:19, AR240:19, AR309:17, AR236:17, AR295:16, AR252:15, AR271:15, AR191:15, AR285:14, AR246:13, AR165:13, AR291:13, AR264:13, AR311:13, AR164:13, AR166:13, AR308:12, AR275:12, AR174:12, AR287:11, AR263:11, AR286:11, AR177:11, AR161:10, AR162:10, AR200:10, AR201:10, AR163:10, AR195:10, AR262:10, AR188:10, AR207:10, AR288:10, AR267:10, AR197:9, AR181:9, AR266:9, AR312:9, AR227:9, AR257:9, AR175:9, AR289:9, AR232:9, AR189:8, AR297:8, AR053:8, AR033:8, AR190:8, AR245:8, AR296:8, AR193:8, AR258:8, AR255:8, AR239:7, AR260:7, AR173:7, AR198:7, AR293:7, AR199:7, AR250:7, AR243:6, AR247:6, AR274:6, AR211:6, AR205:6, AR203:6, AR213:6, AR178:6, AR226:5, AR256:5, AR231:5, AR294:5, AR270:5, AR204:5, AR176:5, AR238:5, AR210:5, AR230:4, AR237:4, AR253:4, AR170:4, AR212:4, AR061:4, AR183:4, AR242:4, AR254:3, AR169:3, AR182:3, AR290:3, AR268:3, AR179:3, AR217:3, AR221:2, AR216:2, AR168:2, AR224:2, AR229:2, AR214:2, AR223:1, AR228:1, AR172:1, AR192:1, L0748:8, L0439:4, L0749:3, H0171:2, L3659:2, L0438:2, S0624:1, S0360:1, H0640:1, S0278:1, L3655:1, S0280:1, H0012:1, L0055:1, H0032:1, H0647:1, L0807:1, L0665:1, H0659:1, L0355:1, S0328:1, H0754:1, H0710:1, L0756:1, L0780:1, L0759:1, S0260:1, S0452:1 and H0721:1.</p>

5	HAGAQ26	561996	15	AR242:9, AR192:9, AR162:8, AR161:8, AR197:8, AR163:8, AR198:7, AR204:7, AR176:7, AR201:7, AR165:7, AR089:6, AR164:6, AR166:6, AR252:6, AR269:6, AR180:6, AR207:6, AR182:6, AR250:6, AR271:5, AR173:5, AR243:5, AR291:5, AR229:5, AR212:5, AR312:5, AR295:5, AR272:5, AR288:5, AR268:5, AR313:5, AR205:5, AR178:5, AR193:5, AR053:5, AR264:5, AR175:5, AR239:5, AR293:5, AR060:5, AR263:5, AR246:4, AR270:4, AR235:4, AR195:4, AR181:4, AR096:4, AR267:4, AR238:4, AR183:4, AR218:4, AR309:4, AR213:4, AR228:4, AR289:4, AR285:4, AR104:4, AR290:4, AR311:4, AR231:4, AR237:4, AR174:4, AR296:4, AR266:4, AR211:4, AR316:4, AR297:4, AR177:3, AR226:3, AR230:3, AR308:3, AR287:3, AR233:3, AR179:3, AR219:3, AR185:3, AR286:3, AR055:3, AR294:3, AR240:3, AR247:3, AR169:3, AR253:3, AR224:3, AR275:3, AR215:3, AR282:3, AR274:3, AR232:3, AR227:3, AR061:3, AR039:2, AR234:2, AR168:2, AR300:2, AR260:2, AR256:2, AR033:2, AR236:2, AR200:2, AR189:2, AR210:2, AR258:2, AR283:2, AR214:2, AR277:2, AR299:2, AR199:2, AR190:2, AR261:1, AR172:1, AR262:1, AR257:1, AR191:1, AR216:1, L0603:4, H0031:3, S0010:2, T0010:2, H0644:2, L0438:2, H0038:1, H0616:1, H0264:1, S0426:1, H0539:1, L0439:1 and S0260:1.
6	HAGBZ81	456414	16	AR219:618, AR218:563, AR274:387, AR253:355, AR210:339, AR270:324, AR254:310, AR312:287, AR205:286, AR308:285, AR272:256, AR271:246, AR173:243, AR213:238, AR313:237, AR096:235, AR269:228, AR250:228, AR212:219, AR183:215, AR290:208, AR245:198, AR175:191, AR039:182, AR178:182, AR309:180, AR264:177, AR180:176, AR268:171, AR282:171, AR211:163, AR263:158, AR246:156, AR053:156, AR267:150, AR089:150, AR174:147, AR179:145, AR311:144, AR176:143, AR182:142, AR162:141, AR293:140, AR192:134, AR252:132, AR060:130, AR247:127, AR166:126, AR165:126, AR161:124, AR164:121, AR163:120, AR316:117, AR198:112, AR216:111, AR185:107, AR288:106, AR256:106, AR275:100, AR297:98, AR240:98, AR193:96, AR197:96, AR299:96, AR243:95, AR181:92, AR177:90, AR172:89, AR266:87, AR217:87, AR300:86, AR201:86, AR222:83, AR277:81, AR189:78, AR242:78, AR237:73, AR289:73, AR231:71, AR104:68, AR291:66, AR195:66, AR238:65, AR224:61, AR230:60, AR296:60, AR226:59, AR169:59, AR294:58, AR171:55, AR229:55, AR204:54, AR033:53, AR190:53, AR260:52, AR295:52, AR188:51, AR239:46, AR225:46, AR214:46, AR232:43, AR287:41, AR168:40, AR191:40, AR061:40, AR285:34, AR221:32, AR234:32, AR283:30, AR227:27, AR170:25, AR255:25, AR233:24, AR286:22, AR236:21, AR199:20, AR262:20, AR258:20, AR228:19, AR215:17, AR200:17, AR203:16, AR207:14, AR223:14, AR257:12, AR196:12, AR055:11, AR261:10, AR235:4, S6026:1, S0010:1, H0399:1, L0435:1, L0438:1 and S0031:1.
7	HAGDG59	534165	17	AR299:24, AR251:24, AR206:23, AR205:21, AR248:20, AR252:20, AR244:19, AR039:18, AR238:18, AR186:18, AR254:16, AR263:14, AR207:14, AR250:14, AR275:13, AR249:13, AR264:13, AR246:12, AR181:12, AR241:12, AR204:11, AR274:11, AR269:11, AR202:11, AR185:10, AR253:10, AR243:10, AR292:10, AR052:9, AR265:9, AR310:9, AR060:9, AR309:9, AR191:9, AR190:9, AR273:8, AR161:8, AR268:8, AR316:8, AR162:8, AR270:8, AR189:8, AR163:8, AR240:8, AR053:8, AR312:8, AR089:8, AR226:8, AR096:7, AR033:7, AR290:7, AR183:7, AR237:7, AR194:7, AR177:7, AR198:7, AR174:7, AR313:7, AR201:7, AR271:7, AR104:7, AR192:7, AR175:6, AR272:6, AR213:6, AR291:6, AR239:6, AR179:6, AR235:6, AR165:6, AR061:6, AR296:6, AR055:6, AR308:6, AR164:5, AR267:5, AR188:5, AR284:5, AR227:5, AR166:5, AR298:5, AR176:5, AR266:5, AR178:5, AR182:5, AR234:5, AR212:5, AR300:5, AR277:5, AR295:4, AR193:4, AR282:4, AR293:4, AR232:4, AR229:4, AR285:4, AR311:4, AR196:4, AR231:4, AR247:4, AR173:3, AR184:3, AR245:3, AR218:3, AR233:3, AR283:3, AR203:3, AR197:3, AR289:3, AR257:3, AR261:3, AR294:3, AR297:2, AR219:2, AR242:2, AR217:2, AR288:2, AR286:2, AR255:2, AR195:2, AR259:2, AR200:2, AR180:2, AR228:2, AR210:2, AR199:2,

8	HAGDS35	1352199	18	AR224:1, AR211:1, AR230:1, AR236:1, AR287:1, S0422:2, S0408:9, L0659:9, S0438:8, S0354:6, L0754:6, S0126:5, H0543:5, S0358:4, S0444:4, S0406:4, H0436:4, L0740:4, L0777:4, H0144:3, S0374:3, L0750:3, L0599:3, H0170:2, H0717:2, H0740:2, S0360:2, S0410:2, H0747:2, H0749:2, H0587:2, H0574:2, H0486:2, H0575:2, H0036:2, S0003:2, H0622:2, L0475:2, H0509:2, L0667:2, L0771:2, L0662:2, L0766:2, L0804:2, L0809:2, L0790:2, L3667:2, H0710:2, L0748:2, L0745:2, L0749:2, L0731:2, S0026:2, H0422:2, H0171:1, H0686:1, S0040:1, H0716:1, L0785:1, L2991:1, S0212:1, L0946:1, S0442:1, L1446:1, H0393:1, L0717:1, H0441:1, H0497:1, H0427:1, H0590:1, S0346:1, S0474:1, H0581:1, H0746:1, H0050:1, H0239:1, H0510:1, H0266:1, H0553:1, H0169:1, H0264:1, H0494:1, S0450:1, S0440:1, H0654:1, H0652:1, S0344:1, H0529:1, H0026:1, L0371:1, L0372:1, L0764:1, L0521:1, L0768:1, L0649:1, L0652:1, L0653:1, L0661:1, L0367:1, L0663:1, L0665:1, S0428:1, L2258:1, L2260:1, H0699:1, H0547:1, H0670:1, H0660:1, S0330:1, S0378:1, H0518:1, H0521:1, H0522:1, S0028:1, L0744:1, L0439:1, L0751:1, S0031:1, S0260:1, L0581:1, L0362:1, H0136:1, S0276:1, H0506:1 and H0721:1.
				AR089:13, AR299:12, AR060:11, AR096:8, AR055:7, AR039:7, AR185:7, AR283:6, AR313:6, AR316:5, AR309:5, AR282:4, AR263:4, AR240:4, AR250:4, AR218:4, AR300:4, AR161:4, AR162:4, AR104:4, AR196:4, AR163:4, AR274:3, AR297:3, AR277:3, AR296:3, AR308:3, AR293:3, AR175:3, AR287:3, AR221:3, AR257:3, AR291:3, AR165:3, AR262:3, AR285:3, AR193:3, AR166:3, AR197:3, AR169:3, AR203:3, AR254:3, AR200:3, AR164:2, AR053:2, AR294:2, AR243:2, AR198:2, AR295:2, AR229:2, AR176:2, AR174:2, AR188:2, AR269:2, AR312:2, AR231:2, AR182:2, AR033:2, AR219:2, AR255:2, AR225:2, AR311:2, AR268:2, AR201:2, AR189:2, AR288:2, AR272:2, AR226:2, AR183:2, AR181:2, AR191:2, AR261:2, AR258:2, AR212:2, AR190:2, AR224:2, AR179:1, AR210:1, AR239:1, AR178:1, AR204:1, AR195:1, AR275:1, AR177:1, AR264:1, AR234:1, AR247:1, AR267:1, AR168:1, AR233:1, AR290:1, AR286:1, AR228:1, AR217:1, L0748:8, L0777:5, H0013:3, S0356:2, H0622:2, L0794:2, L0803:2, L0665:2, L0438:2, H0436:2, L0743:2, L0740:2, H0170:1, S0354:1, S0376:1, H0749:1, H0586:1, S0010:1, S0628:1, H0188:1, H0616:1, S0422:1, L0764:1, L0521:1, L0804:1, L0774:1, L0776:1, L0655:1, L0659:1, L5623:1, H0520:1, H0435:1, L0439:1, L0754:1, L0747:1, L0779:1, L0758:1, L0759:1, S0026:1, H0543:1 and H0423:1.
9	HAGDS35	543617	348	
	HAGFG51	823509	19	AR176:8, AR250:6, AR233:6, AR269:5, AR223:5, AR182:5, AR267:5, AR228:5, AR173:5, AR236:5, AR237:5, AR181:5, AR180:4, AR196:4, AR161:4, AR162:4, AR257:4, AR177:4, AR229:4, AR163:4, AR266:4, AR239:4, AR178:4, AR179:4, AR183:4, AR216:4, AR294:4, AR270:4, AR191:4, AR300:4, AR262:4, AR261:4, AR175:4, AR060:4, AR255:4, AR199:4, AR055:4, AR297:3, AR235:3, AR238:3, AR096:3, AR234:3, AR174:3, AR200:3, AR291:3, AR288:3, AR231:3, AR247:3, AR203:3, AR293:3, AR170:3, AR287:3, AR168:3, AR252:3, AR226:3, AR215:3, AR286:3, AR268:3, AR258:3, AR275:3, AR290:3, AR197:3, AR039:3, AR299:3, AR061:3, AR296:3, AR230:3, AR188:3, AR282:3, AR240:3, AR214:3, AR285:3, AR171:3, AR313:3, AR227:3, AR232:2, AR295:2, AR311:2, AR264:2, AR089:2, AR190:2, AR272:2, AR185:2, AR289:2, AR172:2, AR217:2, AR192:2, AR189:2, AR263:2, AR316:2, AR242:2, AR210:2, AR277:2, AR225:2, AR271:2, AR260:2, AR218:1, AR256:1, AR219:1, AR104:1, AR033:1, S0010:1
10	HAIBO71	490848	20	AR253:6, AR263:4, AR309:4, AR252:4, AR228:4, AR195:4, AR243:3, AR169:3, AR261:3, AR311:3, AR254:3, AR226:3, AR219:3, AR213:3, AR218:3, AR205:3, AR264:3, AR233:3, AR297:3, AR296:3, AR165:3, AR288:3, AR291:3, AR163:3, AR275:3, AR161:3, AR217:3, AR166:3, AR197:3, AR250:3, AR055:3, AR282:3, AR236:3, AR162:3, AR060:3, AR164:3,

				AR239:3, AR168:2, AR207:2, AR290:2, AR175:2, AR293:2, AR196:2, AR268:2, AR271:2, AR269:2, AR215:2, AR189:2, AR201:2, AR266:2, AR185:2, AR033:2, AR183:2, AR214:2, AR212:2, AR191:2, AR274:2, AR289:2, AR270:2, AR223:2, AR177:2, AR287:2, AR257:2, AR272:2, AR316:2, AR178:2, AR295:2, AR173:2, AR199:2, AR277:2, AR238:2, AR286:2, AR312:2, AR255:2, AR267:2, AR229:1, AR179:1, AR200:1, AR231:1, AR089:1, AR096:1, AR176:1, AR262:1, AR313:1, AR240:1, AR258:1, AR285:1, AR237:1, AR193:1, AR230:1, AR039:1, AR190:1, AR299:1, AR260:1, AR104:1, AR188:1, AR300:1, AR225:1, AR283:1, AR232:1, AR308:1 H0657:1, S0212:1, S0360:1, S0132:1, H0628:1, L0766:1, L0803:1, L0776:1, H0539:1, L0731:1 and H0422:1.
11	HAIFL18	676933	21	AR052:33, AR259:29, AR184:29, AR292:27, AR249:26, AR310:25, AR309:22, AR265:21, AR298:20, AR314:20, AR313:19, AR315:18, AR284:18, AR280:18, AR269:17, AR293:17, AR312:16, AR247:15, AR229:15, AR218:15, AR294:14, AR061:14, AR183:14, AR219:14, AR039:14, AR258:14, AR233:14, AR227:13, AR226:13, AR033:13, AR182:13, AR248:13, AR281:13, AR186:13, AR300:13, AR231:12, AR237:12, AR175:12, AR266:12, AR096:12, AR238:12, AR296:11, AR267:11, AR299:11, AR053:11, AR295:11, AR270:11, AR285:11, AR055:10, AR290:10, AR286:10, AR232:10, AR283:10, AR213:10, AR256:10, AR177:10, AR282:10, AR185:9, AR234:9, AR291:9, AR268:9, AR263:8, AR289:8, AR316:8, AR273:8, AR089:7, AR104:6, AR179:6, AR251:6, AR194:6, AR277:5, AR245:5, AR240:4, AR253:4, AR060:4, AR271:4, AR206:4, AR192:3, AR274:3, AR198:3, AR170:2, AR275:2, AR168:2, AR205:2, AR225:2, AR178:2, AR204:2, AR216:2, AR172:2, AR243:2, AR217:1, AR241:1, AR214:1, AR287:1, AR288:1, AR224:1, AR193:1, AR162:1 H0265:1, H0159:1, S0132:1, H0574:1, H0075:1, T0042:1, H0509:1 and S0434:1.
12	HAF57	823516	22	AR254:4, AR171:3, AR207:3, AR170:3, AR169:3, AR053:3, AR213:2, AR225:2, AR271:2, AR165:2, AR198:2, AR201:2, AR166:2, AR176:2, AR264:2, AR282:2, AR272:2, AR089:2, AR297:2, AR288:2, AR257:2, AR188:2, AR224:2, AR175:1, AR163:1, AR283:1, AR196:1, AR162:1, AR246:1, AR308:1, AR226:1, AR161:1, AR193:1, AR164:1, AR183:1, AR285:1, AR173:1, AR286:1, AR255:1 H0561:1
13	HAF23	1352364	23	AR192:7, AR169:6, AR207:6, AR170:6, AR168:5, AR214:5, AR161:5, AR162:5, AR165:5, AR172:5, AR163:5, AR223:5, AR311:5, AR195:5, AR164:5, AR166:5, AR196:5, AR224:4, AR222:4, AR171:4, AR217:4, AR264:4, AR308:4, AR216:4, AR277:4, AR282:4, AR271:4, AR291:4, AR213:4, AR197:4, AR193:3, AR235:3, AR309:3, AR212:3, AR205:3, AR283:3, AR250:3, AR253:3, AR261:3, AR225:3, AR188:3, AR089:3, AR245:3, AR316:3, AR312:3, AR299:3, AR215:3, AR177:3, AR055:3, AR247:3, AR268:2, AR295:2, AR288:2, AR221:2, AR313:2, AR199:2, AR262:2, AR033:2, AR230:2, AR285:2, AR039:2, AR297:2, AR229:2, AR198:2, AR300:2, AR257:2, AR286:2, AR287:2, AR104:2, AR274:2, AR060:2, AR173:2, AR246:2, AR272:2, AR096:2, AR227:2, AR232:2, AR237:2, AR176:2, AR182:2, AR226:2, AR185:2, AR238:2, AR266:2, AR181:2, AR240:2, AR231:2, AR211:2, AR258:2, AR289:2, AR191:2, AR239:2, AR175:1, AR189:1, AR270:1, AR219:1, AR234:1, AR061:1, AR183:1, AR200:1, AR263:1, AR203:1, AR228:1, AR236:1, AR296:1, AR201:1, AR210:1 S0408:2, H0619:2, S0438:2, L0803:2, L0804:2, L3643:1, H0686:1, H0650:1, H0730:1, T0110:1, H0233:1, S0003:1, H0674:1, H0623:1, H0561:1, H0509:1, S0422:1, L0770:1, L0766:1, L0518:1, L5622:1, S0374:1, H0593:1, H0555:1, L0748:1 and L0755:1.
	HAF23	872551	349	
14	HAF69	638516	24	AR309:4, AR242:3, AR217:3, AR235:3, AR225:3, AR170:2, AR252:2, AR263:2, AR180:2, AR171:2, AR282:2, AR221:2, AR197:2, AR200:2, AR196:2, AR308:2, AR277:2, AR165:1, AR164:1, AR215:1, AR192:1, AR166:1, AR268:1, AR168:1,

15	HAMFE15	905695	25	AR211:1, AR207:1, AR283:1, AR216:1, AR204:1, AR311:1, AR240:1, AR182:1 S0040:4, T0010:4, H0560:4, L0794:4, S0420:3, L0455:3, L3905:3, H0656:2, S0212:2, H0619:2, H0497:2, H0012:2, H0429:2, L0766:2, L5623:2, L0439:2, H0665:2, H0556:1, H0717:1, H0650:1, S0418:1, H0580:1, H0728:1, H0735:1, H0734:1, H0370:1, H0392:1, H0333:1, H0013:1, H0635:1, H0505:1, H0581:1, H0569:1, H0050:1, H0373:1, S0250:1, S0022:1, H0553:1, L0370:1, H0561:1, L2263:1, L2261:1, H0520:1, H0593:1, S0126:1, H0435:1, H0518:1, H0521:1, H0626:1, L0748:1, S0436:1, L0591:1, H0542:1, S0424:1 and H0677:1.
				AR235:3, AR275:3, AR221:3, AR282:2, AR207:2, AR291:2, AR180:2, AR286:2, AR173:2, AR178:2, AR225:2, AR243:2, AR272:1, AR176:1, AR181:1, AR163:1, AR161:1, AR285:1, AR168:1, AR257:1, AR277:1, AR261:1, AR191:1, AR311:1, AR196:1, AR216:1, AR296:1, AR297:1, AR269:1, AR169:1, AR266:1, AR247:1, AR199:1, AR175:1 L0748:10, L0754:9, L0731:9, L0766:8, L0439:7, L0803:6, H0624:5, L0759:5, S0356:4, H0486:4, H0090:4, L0789:4, L0438:4, L0740:4, L0749:4, L0756:4, L0777:4, L0599:4, S0360:3, H0013:3, S0003:3, L0369:3, L0794:3, L0659:3, L0809:3, L0665:3, H0539:3, L0362:3, S0114:2, S0358:2, S0278:2, H0441:2, H0586:2, H0333:2, H0581:2, H0328:2, H0553:2, H0529:2, L0770:2, L0662:2, L0804:2, L0666:2, L0663:2, H0547:2, H0519:2, H0659:2, H0670:2, S0330:2, L0747:2, L0750:2, L0755:2, L0758:2, L0589:2, L0592:2, L0581:2, L0593:2, S0276:2, S0424:2, H0170:1, H0171:1, S0040:1, S0116:1, H0664:1, H0458:1, H0638:1, H0192:1, S0418:1, S0354:1, S0410:1, H0580:1, S0046:1, H0393:1, L0717:1, H0411:1, S0622:1, S0222:1, H0587:1, T0114:1, L0021:1, H0318:1, H0421:1, H0521:1, H0544:1, H0572:1, H0566:1, L0471:1, H0057:1, H0051:1, H0510:1, S0628:1, H0271:1, S0334:1, H0622:1, S0368:1, H0031:1, L0142:1, H0032:1, H0124:1, H0316:1, H0591:1, H0616:1, L0060:1, L0060:1, H0551:1, H0264:1, H0412:1, H0413:1, L0564:1, H0560:1, S0150:1, H0646:1, S0144:1, H0538:1, L0598:1, L0638:1, L0372:1, L0764:1, L0771:1, L0521:1, L0650:1, L0805:1, L0655:1, L0656:1, L0664:1, H0144:1, S0374:1, H0691:1, H0520:1, H0689:1, H0658:1, H0672:1, S0152:1, S0332:1, H0521:1, H0134:1, H0631:1, S0206:1, L0751:1, L0779:1, L0753:1, H0445:1, S0394:1, L0608:1, S0026:1, H0653:1, H0665:1, S0242:1, S0194:1, H0542:1, H0423:1 and H0422:1.
16	HAMGG68	731859	26	AR313:34, AR275:32, AR104:32, AR165:29, AR039:27, AR033:27, AR164:27, AR196:26, AR161:25, AR162:24, AR089:24, AR163:23, AR271:23, AR096:22, AR240:21, AR312:21, AR174:20, AR250:20, AR205:19, AR180:19, AR264:19, AR282:18, AR175:18, AR185:18, AR183:18, AR179:18, AR269:18, AR238:18, AR193:18, AR308:17, AR300:17, AR182:17, AR173:17, AR270:17, AR192:17, AR247:16, AR191:16, AR198:16, AR299:16, AR242:16, AR268:16, AR188:16, AR309:16, AR311:15, AR211:15, AR219:15, AR207:14, AR178:14, AR316:14, AR212:14, AR060:14, AR285:14, AR201:14, AR199:14, AR213:14, AR199:14, AR181:14, AR189:13, AR295:13, AR258:13, AR262:13, AR290:13, AR229:13, AR254:12, AR177:12, AR195:12, AR176:12, AR171:12, AR168:12, AR234:12, AR231:12, AR263:12, AR296:12, AR291:12, AR253:12, AR257:12, AR169:11, AR226:11, AR172:11, AR210:11, AR288:11, AR245:11, AR246:11, AR053:11, AR252:10, AR197:10, AR235:10, AR203:10, AR190:10, AR221:10, AR260:10, AR297:10, AR293:10, AR236:10, AR287:10, AR294:10, AR274:9, AR277:9, AR223:9, AR224:9, AR225:9, AR233:9, AR272:9, AR216:9, AR255:9, AR261:9, AR215:9, AR200:9, AR267:9, AR214:8, AR237:8, AR286:8, AR170:8, AR239:8, AR217:8, AR243:8, AR232:8, AR230:8, AR266:8, AR222:7, AR256:7, AR204:6, AR228:6, AR289:6, AR283:6, AR227:6, AR055:4, AR061:4 L0805:7, L0666:3, L0439:3, H0052:2, L0773:2, L0794:2, L0740:2, L0779:2, H0685:1,

17	HAMGR28	892971	27	S0418:1, L3388:1, S0222:1, H0050:1, H0320:1, H0252:1, H0030:1, H0059:1, H0560:1, H0773:1, L3815:1, L0520:1, L0770:1, L0646:1, L0771:1, L0662:1, L0363:1, L0803:1, L0774:1, L0375:1, L0776:1, L0655:1, L0659:1, H0670:1, S0378:1, H0753:1, S0406:1, L0748:1, L0757:1, L0758:1, S0436:1, L0597:1, L0591:1, L0366:1 and S0412:1.
				AR271:8, AR184:7, AR060:7, AR240:6, AR089:6, AR219:5, AR104:5, AR183:5, AR282:5, AR052:5, AR275:5, AR266:5, AR316:5, AR274:5, AR249:5, AR192:4, AR053:4, AR267:4, AR096:4, AR247:4, AR277:4, AR309:4, AR312:4, AR283:4, AR248:4, AR253:4, AR186:4, AR182:4, AR185:4, AR238:4, AR299:4, AR310:3, AR289:3, AR285:3, AR313:3, AR213:3, AR218:3, AR291:3, AR241:3, AR039:3, AR251:3, AR286:3, AR033:3, AR256:3, AR061:3, AR292:3, AR234:3, AR258:3, AR202:3, AR231:3, AR268:3, AR295:3, AR294:3, AR293:3, AR300:3, AR055:3, AR243:3, AR315:3, AR198:2, AR296:2, AR270:2, AR284:2, AR259:2, AR298:2, AR226:2, AR237:2, AR233:2, AR273:2, AR269:2, AR229:2, AR206:2, AR232:2, AR227:1, AR314:1, AR179:1, AR175:1, L0666:1, H0046:9, H0556:5, L0809:5, L0747:4, L0770:3, L0769:3, L0783:3, H0520:3, L0439:3, L0731:3, H0664:2, S0045:2, H0123:2, H0424:2, L0637:2, L0775:2, S0328:2, S0146:2, L0777:2, L0601:2, H0542:2, L0411:1, H0265:1, H0740:1, H0294:1, H0583:1, H0650:1, H0662:1, S0420:1, S0444:1, H0637:1, H0735:1, S0476:1, S0278:1, H0370:1, H0586:1, H0587:1, H0497:1, H0486:1, H0013:1, H0069:1, H0575:1, H0253:1, H0581:1, H0251:1, H0150:1, T0010:1, H0083:1, H0239:1, H0594:1, H0288:1, H0290:1, H0604:1, H0553:1, H0040:1, H0087:1, H0494:1, H0560:1, L0065:1, S0438:1, S0440:1, H0641:1, H0633:1, H0646:1, L3815:1, S0422:1, S0002:1, H0529:1, L0763:1, L0646:1, L0800:1, L0764:1, L0767:1, L0649:1, L0803:1, L0806:1, L0653:1, L0659:1, L0518:1, L0789:1, L0791:1, S0053:1, H0144:1, H0701:1, H0725:1, S0148:1, L0438:1, H0519:1, H0593:1, S0406:1, L0748:1, L0745:1, L0749:1, L0750:1, L0752:1, L0758:1, S0031:1, S0436:1, S0460:1 and L0600:1.
18	HAMGR28	748223	351	
	HAPOM49	769555	28	AR089:5, AR169:5, AR060:5, AR282:4, AR283:4, AR055:3, AR218:3, AR096:3, AR171:3, AR104:3, AR277:3, AR313:3, AR217:3, AR039:2, AR240:2, AR316:2, AR221:2, AR163:2, AR180:2, AR183:2, AR170:2, AR172:2, AR165:2, AR299:2, AR166:2, AR242:2, AR195:2, AR168:2, AR300:2, AR275:2, AR162:2, AR164:1, AR216:1, AR193:1, AR205:1, AR264:1, AR185:1, AR173:1, AR266:1, AR161:1, AR272:1, AR214:1, AR257:1, AR196:1, AR270:1, AR268:1, AR289:1, AR245:1, AR312:1, AR223:1, AR212:1, AR261:1, AR219:1, AR297:1, AR192:1, S0406:5, L0750:5, L0777:4, L0749:3, L0779:3, H0662:2, S0440:2, L0770:2, L0794:2, L0776:2, L0657:2, L0783:2, L0740:2, L0747:2, L0780:2, S0420:1, S0442:1, S0444:1, S0045:1, L3316:1, H0599:1, H0575:1, S0474:1, T0115:1, H0083:1, H0510:1, H0644:1, H0551:1, S0386:1, H0494:1, H0561:1, H0538:1, S0422:1, L0646:1, L0804:1, L0774:1, L0809:1, L0530:1, L0663:1, L0664:1, L0665:1, H0593:1, S0380:1, S0027:1, L0748:1, L0439:1, L0756:1, L0755:1, L0758:1, L0485:1, H0542:1 and H0423:1.
	HAPOM49	722386	352	
19	HAPPW30	1352278	29	AR174:24, AR235:23, AR196:23, AR177:22, AR191:19, AR175:19, AR233:19, AR288:19, AR179:18, AR190:17, AR203:17, AR257:17, AR178:17, AR182:17, AR188:17, AR060:17, AR176:17, AR181:16, AR295:16, AR261:16, AR236:16, AR185:15, AR287:15, AR255:15, AR161:15, AR162:15, AR163:15, AR199:14, AR286:14, AR033:14, AR165:14, AR260:14, AR285:14, AR294:14, AR231:14, AR164:14, AR258:14, AR104:14, AR061:13, AR267:13, AR293:13, AR238:13, AR166:13, AR226:13, AR189:13, AR232:13, AR269:13, AR291:13, AR262:12, AR173:12, AR200:12, AR240:12, AR247:12, AR299:12, AR230:12, AR282:11, AR270:11, AR227:11, AR296:11, AR234:11, AR055:11, AR300:11, AR228:11, AR089:11, AR316:11, AR275:10, AR297:10, AR289:10, AR239:9, AR274:9,

				<p>AR183:9, AR268:9, AR237:9, AR180:9, AR229:9, AR308:8, AR266:8, AR256:8, AR201:8, AR309:7, AR290:7, AR311:7, AR225:7, AR193:7, AR277:7, AR242:7, AR169:7, AR263:7, AR213:6, AR264:6, AR171:6, AR272:6, AR039:6, AR223:6, AR170:5, AR224:5, AR210:5, AR312:5, AR053:5, AR168:5, AR096:5, AR216:5, AR195:5, AR219:5, AR245:5, AR218:5, AR233:5, AR214:5, AR283:5, AR222:5, AR313:4, AR246:4, AR172:4, AR217:4, AR212:4, AR250:4, AR215:4, AR221:3, AR205:3, AR197:3, AR243:3, AR254:3, AR198:2, AR271:2, AR192:1, L0748:12, S0474:5, L0777:5, L0758:5, H0424:4, H0038:4, L0752:4, L0774:3, L0742:3, L0779:3, L0755:3, H0616:2, L0770:2, L0764:2, L0776:2, H0539:2, L0753:2, L0599:2, H0663:1, H0722:1, H0728:1, H0208:1, S0045:1, L3388:1, L3484:1, L3491:1, T0040:1, H0575:1, S0010:1, S0049:1, H0052:1, H0545:1, H0009:1, H0103:1, H0012:1, L0163:1, H0266:1, H0188:1, H0292:1, H0213:1, H0169:1, H0388:1, H0708:1, H0135:1, H0412:1, T0041:1, T0042:1, H0538:1, L0769:1, L0638:1, L0772:1, L0767:1, L0775:1, L0809:1, L0665:1, L2263:1, H0547:1, H0672:1, H0521:1, S0392:1, S0027:1, L0747:1, L0786:1, L0731:1, L0757:1, L0759:1, L0591:1 and H0653:1.</p>
	HAPPW30	684272	353	
20	HATBR65	635514	30	<p>AR313:46, AR173:29, AR258:29, AR096:29, AR229:29, AR300:26, AR218:26, AR240:26, AR247:26, AR214:26, AR196:24, AR223:23, AR175:23, AR257:22, AR174:22, AR178:22, AR165:21, AR217:21, AR162:21, AR183:21, AR161:21, AR089:21, AR293:20, AR163:20, AR264:20, AR164:20, AR033:20, AR309:20, AR216:19, AR181:19, AR262:19, AR166:19, AR185:19, AR299:19, AR180:18, AR312:18, AR179:18, AR238:18, AR290:18, AR297:18, AR189:18, AR188:18, AR269:17, AR270:17, AR199:17, AR294:17, AR261:16, AR224:16, AR191:16, AR316:16, AR285:16, AR225:16, AR203:16, AR235:15, AR182:15, AR263:15, AR219:15, AR177:15, AR212:15, AR274:14, AR236:14, AR226:14, AR234:14, AR053:14, AR231:14, AR287:14, AR233:14, AR296:14, AR275:14, AR176:14, AR193:14, AR171:13, AR286:13, AR282:13, AR267:13, AR255:13, AR210:13, AR268:13, AR308:13, AR190:13, AR060:13, AR291:13, AR222:13, AR260:13, AR200:12, AR104:12, AR211:12, AR237:12, AR295:11, AR266:11, AR252:11, AR213:11, AR168:11, AR288:11, AR254:11, AR215:11, AR228:11, AR221:10, AR272:10, AR230:10, AR250:10, AR204:10, AR039:10, AR242:10, AR239:9, AR245:9, AR289:9, AR195:9, AR256:9, AR170:9, AR169:9, AR172:9, AR283:9, AR246:8, AR205:8, AR227:8, AR198:8, AR277:8, AR271:8, AR311:8, AR192:8, AR197:8, AR243:7, AR253:7, AR201:7, AR232:6, AR207:6, AR061:5, AR055:5, L0534:4, L0562:3, L0527:3, H0254:2, S0045:2, H0156:2, L0589:2, H0255:1, H0402:1, L0539:1, T0060:1, H0328:1, H0615:1, H0598:1, H0264:1, L0766:1, L0493:1, L0666:1, S0052:1, H0539:1, L0747:1, L0752:1 and L0366:1.</p>
21	HATCB92	603948	31	<p>AR242:8, AR245:5, AR170:5, AR161:5, AR162:5, AR163:5, AR309:5, AR204:4, AR205:4, AR053:4, AR275:4, AR165:4, AR164:4, AR177:4, AR193:4, AR271:4, AR166:3, AR282:3, AR270:3, AR243:3, AR235:3, AR233:3, AR168:3, AR197:3, AR089:3, AR311:3, AR192:3, AR207:3, AR300:3, AR183:3, AR171:3, AR252:3, AR274:3, AR228:3, AR174:2, AR201:2, AR198:2, AR312:2, AR239:2, AR061:2, AR264:2, AR185:2, AR299:2, AR229:2, AR096:2, AR297:2, AR308:2, AR039:2, AR182:2, AR277:2, AR293:2, AR231:2, AR178:2, AR242:2, AR195:2, AR230:2, AR266:2, AR316:2, AR060:2, AR240:2, AR176:2, AR272:2, AR172:2, AR289:2, AR267:1, AR283:1, AR223:1, AR247:1, AR181:1, AR257:1, AR261:1, AR238:1, AR234:1, AR269:1, AR290:1, AR226:1, AR199:1, AR262:1, AR217:1, AR287:1, AR294:1, AR268:1, AR210:1, H0156:1</p>
22	HATEE46	565618	32	<p>AR296:15, AR266:6, AR176:6, AR291:6, AR289:6, AR255:5, AR257:5, AR183:5, AR182:5, AR269:5, AR252:4, AR253:4, AR290:4, AR294:4, AR309:4, AR297:4, AR178:3, AR060:3, AR055:3, AR221:3, AR175:3, AR288:3, AR270:3, AR181:3,</p>

				<p>AR177:3, AR256:3, AR260:3, AR267:3, AR293:3, AR286:3, AR268:3, AR223:3, AR287:3, AR272:3, AR162:3, AR224:3, AR238:3, AR262:3, AR165:3, AR173:3, AR161:3, AR295:3, AR179:3, AR163:3, AR277:3, AR164:3, AR217:3, AR166:2, AR299:2, AR258:2, AR205:2, AR236:2, AR243:2, AR228:2, AR226:2, AR229:2, AR168:2, AR285:2, AR191:2, AR283:2, AR231:2, AR300:2, AR174:2, AR172:2, AR204:2, AR201:2, AR104:2, AR214:2, AR239:2, AR233:2, AR089:2, AR200:2, AR246:2, AR316:2, AR190:2, AR237:2, AR240:2, AR271:2, AR312:1, AR264:1, AR189:1, AR096:1, AR213:1, AR196:1, AR215:1, AR199:1, AR218:1, AR170:1, AR203:1, AR313:1, AR033:1, AR247:1, AR039:1, AR180:1, AR242:1, AR282:1, AR311:1, AR235:1, AR185:1, AR061:1, AR211:1, L0731:3, L0662:2, S0212:1, S0418:1, S0358:1, H0734:1, H0411:1, H0486:1, H0156:1, H0266:1, S0022:1, H0551:1, T0041:1, L0640:1, L0641:1, L0804:1, L0805:1, L0776:1, L0659:1, L0517:1, L0790:1, H0520:1, S0126:1, S0141:1, L0740:1, L0747:1, L0750:1, L0756:1, L0752:1, L0759:1, L0599:1 and S0026:1.</p>
23	HAUAI83	639009	33	H0294:2
	HAUAI83	383592	354	
24	HBAMB15	671835	34	<p>AR245:4, AR213:3, AR176:3, AR224:3, AR252:3, AR168:3, AR165:2, AR164:2, AR183:2, AR197:2, AR204:2, AR238:2, AR266:2, AR282:2, AR162:2, AR171:2, AR271:2, AR289:2, AR270:2, AR291:2, AR205:2, AR274:2, AR096:2, AR268:2, AR297:2, AR296:2, AR225:2, AR161:1, AR311:1, AR192:1, AR269:1, AR261:1, AR179:1, AR182:1, AR234:1, AR191:1, AR277:1, AR181:1, AR237:1, AR313:1, AR300:1, AR089:1 H0410:1, H0530:1, H0328:1, L0455:1 and L0740:1.</p>
25	HGBA69	1352289	35	<p>AR196:22, AR089:21, AR275:21, AR188:20, AR240:19, AR096:19, AR177:18, AR060:18, AR104:18, AR282:18, AR269:17, AR238:17, AR195:17, AR176:17, AR189:16, AR199:15, AR283:15, AR185:15, AR183:15, AR244:15, AR218:15, AR219:15, AR186:14, AR299:14, AR248:14, AR247:14, AR211:14, AR197:14, AR173:14, AR254:14, AR174:14, AR268:14, AR310:13, AR290:13, AR203:13, AR052:13, AR289:13, AR033:13, AR191:13, AR316:13, AR165:13, AR300:13, AR055:13, AR164:12, AR266:12, AR243:12, AR249:12, AR271:12, AR190:12, AR166:12, AR273:12, AR270:12, AR241:12, AR178:12, AR253:12, AR061:12, AR175:12, AR232:12, AR246:11, AR181:11, AR267:11, AR313:11, AR261:11, AR274:11, AR239:11, AR198:11, AR182:11, AR250:11, AR309:10, AR280:10, AR200:10, AR234:10, AR229:10, AR180:10, AR291:10, AR184:10, AR255:10, AR272:10, AR235:10, AR245:10, AR192:9, AR161:9, AR296:9, AR039:9, AR221:9, AR231:9, AR163:9, AR251:9, AR201:9, AR257:9, AR236:9, AR204:9, AR162:9, AR233:9, AR216:8, AR210:8, AR215:8, AR295:8, AR315:8, AR314:8, AR265:8, AR284:8, AR228:8, AR312:8, AR277:8, AR286:8, AR213:8, AR194:8, AR288:8, AR226:8, AR298:8, AR242:8, AR256:7, AR227:7, AR193:7, AR217:7, AR262:7, AR053:7, AR264:7, AR179:7, AR224:7, AR237:6, AR202:6, AR293:6, AR230:6, AR214:6, AR297:6, AR287:6, AR205:6, AR292:6, AR285:6, AR258:6, AR263:6, AR294:6, AR225:6, AR281:6, AR212:5, AR170:5, AR206:5, AR308:5, AR172:5, AR222:5, AR259:5, AR169:4, AR260:4, AR171:4, AR252:4, AR207:3, AR311:3, AR168:2, AR223:2 S0474:13, L0747:7, S0410:6, H0617:5, L0777:5, H0618:4, H0521:4, H0661:3, H0663:3, S0360:3, H0052:3, H0545:3, H0038:3, L0766:3, S0380:3, L0740:3, L0751:3, L0757:3, H0653:3, S0358:2, H0733:2, L0717:2, S0278:2, H0318:2, H0309:2, H0327:2, H0150:2, H0687:2, H0181:2, H0413:2, H0509:2, L0769:2, L0764:2, L0771:2, L0662:2, L0768:2, L0774:2, L0776:2, L5622:2, L0666:2, L0663:2, L2261:2, S0126:2, H0658:2, S0406:2, L0744:2, L0758:2, L0588:2, L3643:1, S0342:1, H0713:1, H0740:1, T0049:1, H0657:1, S0116:1, S0282:1, H0255:1, H0402:1, H0638:1, S0418:1, S0420:1, S0442:1, S0444:1, S0408:1, H0730:1, H0741:1, H0735:1, H0776:1, S0300:1, L3388:1, H0370:1, H0592:1, H0643:1, L0623:1,</p>

					H0156:1, L0021:1, H0253:1, H0263:1, L0738:1, H0530:1, H0571:1, H0081:1, H0578:1, H0083:1, H0266:1, H0039:1, H0604:1, H0031:1, H0616:1, H0087:1, T0004:1, H0494:1, S0438:1, S0142:1, H0743:1, H0529:1, L0763:1, L0796:1, L0761:1, L0645:1, L0773:1, L0364:1, L0650:1, L0651:1, L0653:1, L0655:1, L0661:1, L0629:1, L0657:1, L0658:1, L4669:1, L2258:1, H0725:1, H0519:1, H0670:1, H0672:1, H0518:1, S0044:1, H0555:1, H0436:1, S0141:1, L0439:1, L0749:1, L0731:1, L0759:1, S0260:1, H0445:1, S0434:1, S0196:1, H0423:1 and H0506:1.
	HBGBA69	709658	355		
26	HBIAE26	514418	36		AR161:11, AR162:11, AR163:11, AR313:9, AR242:8, AR165:8, AR039:7, AR164:7, AR166:7, AR207:6, AR201:6, AR204:6, AR089:6, AR096:6, AR197:6, AR309:6, AR053:5, AR193:5, AR264:5, AR299:5, AR060:5, AR182:5, AR173:5, AR185:5, AR198:5, AR236:5, AR300:5, AR181:5, AR228:5, AR271:5, AR176:5, AR277:5, AR055:5, AR262:5, AR196:5, AR247:5, AR250:4, AR258:4, AR312:4, AR257:4, AR175:4, AR229:4, AR178:4, AR179:4, AR316:4, AR293:4, AR269:4, AR274:4, AR240:4, AR261:4, AR246:4, AR104:4, AR266:4, AR177:4, AR191:4, AR233:4, AR275:4, AR192:4, AR268:4, AR183:4, AR213:4, AR205:4, AR231:4, AR297:4, AR288:4, AR174:3, AR212:3, AR294:3, AR270:3, AR267:3, AR238:3, AR180:3, AR215:3, AR255:3, AR245:3, AR199:3, AR287:3, AR226:3, AR296:3, AR234:3, AR203:3, AR218:3, AR285:3, AR282:3, AR311:3, AR195:3, AR200:3, AR239:3, AR283:3, AR263:3, AR217:3, AR222:3, AR272:3, AR291:3, AR237:3, AR033:3, AR290:3, AR188:3, AR243:3, AR253:3, AR189:3, AR225:3, AR295:3, AR230:3, AR170:3, AR061:2, AR219:2, AR286:2, AR308:2, AR227:2, AR256:2, AR232:2, AR216:2, AR190:2, AR171:2, AR289:2, AR211:2, AR223:2, AR235:1, AR214:1 S0049:1 and S0146:1.
27	HBINS58	1352386	37		AR222:31, AR214:31, AR169:26, AR223:23, AR235:22, AR224:22, AR283:21, AR195:20, AR170:20, AR168:20, AR264:20, AR263:19, AR212:19, AR207:18, AR282:18, AR161:18, AR315:18, AR311:18, AR172:17, AR089:17, AR162:16, AR216:16, AR217:16, AR316:16, AR261:16, AR281:16, AR171:16, AR163:16, AR277:16, AR236:14, AR104:14, AR309:14, AR213:13, AR308:13, AR096:13, AR314:13, AR240:13, AR055:12, AR310:12, AR299:12, AR194:12, AR265:12, AR053:12, AR313:12, AR242:12, AR272:12, AR288:12, AR225:11, AR205:11, AR202:11, AR295:11, AR280:11, AR198:11, AR245:11, AR165:11, AR039:11, AR166:11, AR060:11, AR193:10, AR297:10, AR271:10, AR164:10, AR252:10, AR232:10, AR192:10, AR284:10, AR300:10, AR177:10, AR218:10, AR285:10, AR312:9, AR033:9, AR197:9, AR246:9, AR289:9, AR196:9, AR201:9, AR206:9, AR174:9, AR219:9, AR296:9, AR221:9, AR254:9, AR262:9, AR181:8, AR204:8, AR291:8, AR275:8, AR185:8, AR243:8, AR274:8, AR286:8, AR247:8, AR241:8, AR238:8, AR266:8, AR287:7, AR229:7, AR292:7, AR230:7, AR268:7, AR251:7, AR211:7, AR239:7, AR178:7, AR270:7, AR231:7, AR226:7, AR227:7, AR183:7, AR184:7, AR215:6, AR293:6, AR234:6, AR269:6, AR253:6, AR199:6, AR176:6, AR210:6, AR180:6, AR200:6, AR298:6, AR188:6, AR250:6, AR257:6, AR233:5, AR294:5, AR175:5, AR203:5, AR267:5, AR249:5, AR191:5, AR189:5, AR248:5, AR182:5, AR290:5, AR273:5, AR173:5, AR228:5, AR259:5, AR258:5, AR255:5, AR237:5, AR052:5, AR190:5, AR061:4, AR179:4, AR256:4, AR186:3, AR260:3, AR244:3 H0593:2, H0617:1, L0657:1 and L0592:1.
	HBINS58	961712	356		
	HBINS58	892924	357		
28	HBJNC59	1125802	38		AR268:41, AR290:25, AR267:21, AR270:19, AR180:19, AR245:17, AR269:17, AR096:15, AR183:15, AR177:13, AR182:12, AR271:12, AR240:11, AR242:11, AR234:11, AR246:11, AR283:11, AR173:10, AR176:10, AR192:10,

				AR272:10, AR181:10, AR229:9, AR198:9, AR197:9, AR275:9, AR189:9, AR179:8, AR260:8, AR175:7, AR190:7, AR199:7, AR228:7, AR309:7, AR193:7, AR238:7, AR191:7, AR239:7, AR174:7, AR231:7, AR178:6, AR161:6, AR162:6, AR195:6, AR055:6, AR163:6, AR061:6, AR258:6, AR237:6, AR201:6, AR188:6, AR299:6, AR252:5, AR282:5, AR257:5, AR203:5, AR039:5, AR196:5, AR274:5, AR266:5, AR226:5, AR243:5, AR204:4, AR255:4, AR170:4, AR165:4, AR230:4, AR164:4, AR200:4, AR166:4, AR207:4, AR295:4, AR288:4, AR300:4, AR313:4, AR233:3, AR285:3, AR294:3, AR316:3, AR185:3, AR168:3, AR053:3, AR217:3, AR277:3, AR033:3, AR210:3, AR236:3, AR263:2, AR232:2, AR262:2, AR212:2, AR312:2, AR293:2, AR089:2, AR261:2, AR264:2, AR311:2, AR222:2, AR171:2, AR227:2, AR205:2, AR214:2, AR211:2, AR216:2, AR060:2, AR291:2, AR287:1, AR172:1, AR308:1, AR104:1, AR223:1, AR219:1 H0521:26, H0522:16, S0360:13, H0255:7, L0775:7, S0374:6, H0445:6, S0408:5, H0581:5, L0768:5, S0404:5, H0638:4, H0427:4, H0575:4, H0617:4, L0767:4, L0806:4, H0587:3, H0042:3, H0124:3, H0087:3, S0438:3, L0659:3, H0672:3, L0749:3, H0506:3, S0116:2, H0254:2, H0661:2, S0358:2, S0376:2, H0637:2, L3071:2, S0280:2, H0706:2, H0120:2, H0318:2, H0327:2, H0045:2, H0424:2, H0100:2, S0440:2, H0649:2, L0769:2, L0774:2, L0776:2, L0657:2, L0547:2, L0783:2, S0292:2, H0555:2, L0754:2, L0747:2, L0750:2, L0777:2, S0436:2, L0603:2, H0717:1, H0716:1, H0583:1, H0663:1, S0356:1, S0444:1, L3649:1, H0741:1, L2831:1, L3388:1, H0411:1, S6022:1, H0550:1, H0455:1, H0602:1, H0632:1, T0082:1, H0309:1, H0009:1, H0015:1, H0510:1, H0375:1, H0687:1, H0039:1, H0030:1, H0031:1, S0294:1, H0509:1, H0641:1, H0647:1, H0538:1, L0762:1, L0763:1, L5565:1, L0772:1, L0644:1, L0648:1, L0385:1, L0375:1, L0651:1, L0378:1, L0653:1, L0655:1, L0629:1, L0636:1, L0540:1, L0545:1, H0689:1, S0380:1, S0332:1, S0044:1, S0406:1, L0755:1, S0260:1, S0434:1, H0653:1, L2367:1 and H0352:1.
	HBJNC59	899397	358	
	HBJNC59	902207	359	
29	HBNW17	526797	39	AR266:6, AR245:3, AR168:2, AR246:2, AR217:2, AR177:2, AR291:2, AR264:2, AR274:1, AR165:1, AR267:1, AR312:1, AR216:1, AR311:1, AR164:1, AR261:1, AR182:1, AR299:1, AR257:1, AR166:1, AR243:1, AR309:1, AR089:1, AR224:1, AR175:1 L0766:3 and H0188:1.
30	HBOEG69	793786	40	AR282:73, AR253:4, AR221:3, AR235:3, AR216:3, AR171:2, AR180:2, AR277:2, AR316:2, AR213:2, AR205:2, AR272:2, AR271:2, AR168:2, AR289:1, AR283:1, AR240:1, AR181:1, AR309:1, AR257:1, AR055:1, AR176:1, AR173:1, AR295:1, AR195:1, AR183:1, AR224:1 L0771:4, H0556:3, S0007:3, L0766:3, L0493:3, H0265:2, S0418:2, H0271:2, H0422:2, S0402:1, H0657:1, H0656:1, H0580:1, L0463:1, H0592:1, H0427:1, H0156:1, H0390:1, H0581:1, H0194:1, H0596:1, H0373:1, H0687:1, H0615:1, S0364:1, H0413:1, H0649:1, S0422:1, L0457:1, L0502:1, L0763:1, L0776:1, S0428:1, H0658:1, H0670:1, S0330:1, L0602:1, H0696:1, H0436:1, L0754:1, L0750:1, L0780:1 and S0424:1.
31	HCACU58	625923	41	AR170:4, AR225:4, AR197:3, AR253:3, AR183:3, AR242:3, AR270:2, AR311:2, AR266:2, AR275:2, AR168:2, AR172:2, AR223:2, AR282:2, AR291:2, AR169:2, AR272:2, AR195:2, AR198:1, AR096:1, AR240:1, AR269:1, AR283:1, AR192:1, AR164:1, AR300:1, AR224:1, AR252:1 H0341:1, H0125:1, H0580:1, L0747:1 and L0749:1.
32	HCE2F54	634016	42	AR253:23, AR250:22, AR271:21, AR197:20, AR195:19, AR199:18, AR252:16, AR272:13, AR254:12, AR198:12, AR269:12, AR211:12, AR205:11, AR180:11, AR176:11, AR210:11, AR200:11, AR240:10, AR161:10, AR266:10, AR162:10, AR229:10, AR177:10, AR163:10, AR242:10, AR243:10, AR212:10, AR309:10, AR246:10, AR268:9, AR181:9, AR245:9, AR165:9, AR183:9, AR275:9, AR238:9, AR291:9, AR178:9, AR264:9, AR164:9, AR196:9, AR204:9, AR188:9,

33	HCE3G69	728432	43	<p> ARI166:8, ARI182:8, AR255:8, ARI175:8, AR289:8, ARI179:8, AR290:8, AR237:8, ARI189:8, AR225:8, AR235:8, ARI193:8, AR247:8, AR270:8, AR234:7, AR219:7, AR263:7, AR207:7, AR228:7, AR267:7, AR312:7, ARI190:7, AR308:7, ARI173:7, AR296:7, AR274:7, AR257:7, AR297:7, AR311:7, AR231:7, AR293:7, AR313:7, AR287:6, AR303:6, AR262:6, AR300:6, AR224:6, AR218:6, AR288:6, ARI192:6, AR295:6, AR294:6, AR203:6, AR285:6, AR239:6, AR089:6, AR282:6, ARI174:6, ARI185:5, AR233:5, AR236:5, AR096:5, AR230:5, AR286:5, AR217:5, AR222:5, AR261:5, AR053:5, AR061:5, AR221:5, AR214:5, ARI168:4, AR223:4, ARI172:4, AR226:4, ARI169:4, AR258:4, AR039:4, AR299:4, AR283:4, AR216:4, AR232:4, AR060:4, AR227:4, AR277:3, ARI104:3, AR256:3, AR055:3, AR260:3, ARI171:2, ARI170:2, AR215:1 H0052:9, L0794:6, L0758:6, L0666:4, L0438:4, S0126:4, L0754:4, L0779:4, H0617:3, L0748:3, L0751:3, L0759:3, H0333:2, H0013:2, H0150:2, H0494:2, L0761:2, L0641:2, L0809:2, L0519:2, L0663:2, S0380:2, L3832:2, L0439:2, L0747:2, L0749:2, H0685:1, H0713:1, H0295:1, H0341:1, H0484:1, H0255:1, H0638:1, S0358:1, S0046:1, S0476:1, H0393:1, L3388:1, H0261:1, S0222:1, H0592:1, H0069:1, H0253:1, H0596:1, H0009:1, H0178:1, H0081:1, H0051:1, H0266:1, H0428:1, H0100:1, S0112:1, L0639:1, L5575:1, L3905:1, L0662:1, L0766:1, L0804:1, L0651:1, L0655:1, L0787:1, L0664:1, L0665:1, T0068:1, H0672:1, H0539:1, L0602:1, S0406:1, H0436:1, H0478:1, L0777:1, L0755:1, H0422:1 and H0506:1. </p> <p> AR033:18, ARI197:14, ARI195:13, ARI196:11, AR271:10, AR242:10, AR243:9, ARI165:9, AR201:9, AR207:9, ARI164:9, ARI182:9, ARI166:9, AR269:8, ARI198:8, AR235:8, ARI161:8, ARI162:8, ARI183:8, AR272:8, AR268:8, AR296:8, ARI163:8, ARI176:8, ARI193:8, AR238:7, AR254:7, AR200:7, AR247:7, ARI181:7, AR291:7, AR225:7, AR309:6, ARI178:6, AR270:6, ARI188:6, ARI173:6, AR266:6, AR228:6, AR282:6, AR246:6, ARI169:6, AR213:6, ARI12:6, ARI192:6, ARI177:6, AR261:6, AR250:6, ARI175:6, AR204:6, AR239:6, AR233:6, AR243:6, AR255:6, AR288:5, ARI171:5, AR267:5, AR217:5, AR290:5, ARI168:5, AR223:5, AR236:5, AR089:5, AR289:5, ARI191:5, AR203:5, AR224:5, AR245:5, AR061:5, ARI104:5, AR308:5, AR229:5, AR205:5, AR060:5, AR039:5, AR231:5, AR240:5, AR053:5, AR274:5, AR287:5, AR222:5, AR216:5, ARI16:5, AR214:5, AR215:5, AR264:5, ARI199:5, ARI174:5, AR221:5, AR297:5, AR312:4, ARI180:4, AR313:4, AR295:4, ARI179:4, ARI170:4, AR263:4, AR293:4, AR253:4, AR299:4, AR232:4, AR257:4, ARI189:4, AR300:4, AR294:4, AR311:4, AR237:4, AR285:4, AR210:4, AR275:4, ARI172:4, AR226:4, AR211:4, AR230:4, ARI185:3, AR286:3, AR227:3, AR262:3, AR055:3, AR256:3, AR277:3, AR096:3, AR258:3, AR219:2, AR283:2, AR260:2, AR218:2, AR252:1 L0439:9, H0052:7, L0748:7, S0440:5, L0758:5, H0046:4, H0038:4, L0769:4, S0442:3, H0013:3, H0253:3, T0010:3, L0774:3, L0776:3, H0144:3, H0521:3, S0404:3, L0752:3, L0731:3, H0656:2, S0358:2, S0360:2, S0222:2, H0618:2, H0620:2, L0351:2, S0422:2, L0764:2, L0771:2, L0783:2, L0793:2, H0658:2, H0666:2, L0751:2, L0754:2, L0745:2, L0747:2, L0750:2, H0624:1, H0265:1, H0556:1, H0686:1, S0134:1, S0212:1, S0001:1, H0254:1, H0661:1, L0946:1, S0354:1, S0444:1, S0408:1, H0734:1, L3081:1, S0300:1, S0278:1, H0369:1, H0370:1, H0333:1, H0574:1, H0486:1, H0036:1, H0263:1, H0597:1, H0545:1, H0572:1, H0024:1, S0388:1, S0051:1, S0250:1, H0252:1, H0428:1, H0039:1, H0644:1, L0055:1, H0674:1, H0135:1, H0087:1, T0067:1, H0488:1, L3154:1, H0529:1, L0763:1, L0770:1, L3905:1, L0761:1, L0374:1, L0662:1, L0768:1, L0766:1, L0803:1, L0775:1, L0805:1, L0653:1, L0661:1, L0526:1, L5622:1, L0666:1, L0664:1, L0665:1, S0053:1, L0710:1, L2654:1, H0547:1, H0682:1, H0435:1, H0670:1, H0660:1, H0648:1, H0672:1, S0328:1, H0539:1, S0152:1, H0696:1, S0044:1, S0406:1, H0631:1, S3014:1, S0028:1, L0742:1, L0749:1, L0753:1, L0759:1, S0436:1, S0011:1, S0192:1, H0542:1, H0423:1, S0398:1 and H0506:1. </p>
----	---------	--------	----	---

34	HCE3G69	494346	360	AR060:280, AR055:230, AR299:151, AR089:139, AR104:127, AR283:124, AR185:112, AR039:97, AR096:88, AR316:79, AR282:66, AR277:62, AR300:50, AR240:46, AR218:40, AR219:35, AR313:29, AR215:8, AR169:8, AR221:8, AR217:8, AR214:7, AR216:7, AR225:7, AR171:6, AR222:5, AR223:5, AR246:5, AR188:5, AR263:5, AR224:5, AR245:5, AR191:5, AR269:5, AR168:5, AR270:5, AR205:5, AR183:5, AR176:4, AR252:4, AR166:4, AR190:4, AR175:4, AR235:4, AR165:4, AR178:4, AR266:4, AR164:4, AR170:4, AR180:4, AR274:4, AR179:4, AR174:4, AR196:4, AR192:4, AR163:4, AR161:4, AR162:4, AR275:4, AR309:4, AR193:4, AR264:4, AR257:4, AR053:4, AR181:4, AR201:4, AR189:4, AR312:3, AR271:3, AR311:3, AR195:3, AR173:3, AR033:3, AR177:3, AR295:3, AR268:3, AR210:3, AR291:3, AR197:3, AR288:3, AR203:3, AR200:3, AR182:3, AR272:3, AR290:3, AR308:3, AR285:3, AR236:3, AR198:3, AR255:3, AR243:3, AR231:3, AR250:3, AR294:3, AR172:2, AR287:2, AR286:2, AR238:2, AR237:2, AR226:2, AR289:2, AR254:2, AR297:2, AR296:2, AR204:2, AR247:2, AR260:2, AR262:2, AR293:2, AR239:2, AR261:2, AR233:2, AR229:2, AR232:2, AR267:2, AR211:2, AR234:2, AR212:2, AR256:1, AR258:1, L0777:10, L0756:4, S0414:3, L0659:3, L0740:3, H0441:2, S0003:2, H0616:2, L0766:2, H0144:2, L0439:2, L0780:2, L0759:2, L0596:2, S0242:2, H0542:2, S0470:1, S0342:1, H0341:1, S0001:1, S0282:1, S0408:1, S0007:1, T0060:1, H0427:1, H0098:1, H0042:1, H0581:1, S0049:1, H0052:1, H0024:1, H0051:1, H0647:1, S0422:1, L0770:1, L0769:1, L0772:1, L0662:1, L0794:1, L0803:1, L0805:1, L0666:1, L0663:1, L0664:1, S0374:1, S0126:1, H0648:1, H0696:1, L0747:1, L0752:1, L0755:1 and L0591:1.
35	HCEFB80	1143407	45	H0052:6, L0439:5, L0794:3, L0748:3, L0415:2, H0661:2, H0559:2, S0049:2, H0327:2, S0051:2, H0399:2, S0036:2, L0351:2, L0770:2, H0144:2, L0758:2, L0759:2, S0116:1, S0110:1, H0637:1, H0261:1, S0222:1, H0438:1, H0013:1, H0569:1, H0320:1, S0422:1, H0529:1, L0638:1, L0517:1, L0438:1, S0126:1, L0749:1, L0756:1 and L0592:1.
36	HCEFB80	1046853	361	AR221:5, AR192:3, AR254:2, AR053:2, AR180:2, AR266:2, AR193:2, AR231:2, AR261:2, AR291:2, AR263:2, AR269:2, AR274:2, AR272:2, AR255:2, AR204:2, AR257:2, AR243:2, AR290:2, AR282:1, AR096:1, AR195:1, AR182:1, AR217:1, AR240:1, AR222:1, AR170:1, AR270:1, AR181:1, AR216:1, AR247:1, AR225:1, AR236:1, L0747:15, L0745:12, L0746:12, L0754:9, L0439:6, S0007:5, L0740:5, L0779:5, H0616:4, L0768:4, L0659:4, L0663:4, H0013:3, L0766:3, H0144:3, L0731:3, L0758:3, H0556:2, S0132:2, S0010:2, H0052:2, L0471:2, H0014:2, H0031:2, L0806:2, L0518:2, L0666:2, L0665:2, H0547:2, L0748:2, L0750:2, L0757:2, L0592:2, H0423:2, H0624:1, L3643:1, S0116:1, H0663:1, H0449:1, S0420:1, L0005:1, S0360:1, S0046:1, H0749:1, H0619:1, H0411:1, H0587:1, H0485:1, L3653:1, L0021:1, S0474:1, H0581:1, S0049:1, H0046:1, H0050:1, H0242:1, H0024:1, L0163:1, S0388:1, H0328:1, H0615:1, H0039:1, H0644:1, S0366:1, H0135:1, H0090:1, H0040:1, H0412:1, H0102:1, H0100:1, L0564:1, S0440:1, H0131:1, H0633:1, L0769:1, L0638:1, L0667:1, L0764:1, L0771:1, L0521:1, L0649:1, L0774:1, L0775:1, L0523:1, L0776:1, L0655:1, L0527:1, L0636:1, L0519:1, S0053:1, L0438:1, L0352:1, H0520:1, H0689:1, H0690:1, H0658:1, H0660:1, H0648:1, H0710:1, S0350:1, S0044:1, S0146:1, H0436:1, L0611:1, L0749:1, L0786:1, S0436:1, L0362:1, L0366:1, S0026:1, H0667:1, H0542:1 and H0422:1.
37	HCEWE20	543370	47	AR253:8, AR053:6, AR196:6, AR198:5, AR191:5, AR313:5, AR245:4, AR181:4, AR174:4, AR195:4, AR189:3, AR096:3, AR089:3, AR213:3, AR177:3, AR270:3, AR254:3, AR300:3, AR190:3, AR269:3, AR224:3, AR247:3, AR188:2, AR275:2, AR175:2, AR226:2, AR165:2, AR171:2, AR312:2, AR179:2, AR162:2, AR180:2, AR164:2, AR299:2, AR161:2, AR163:2,

38	HCFNN01	430297	48	AR257:2, AR238:2, AR166:2, AR240:2, AR185:2, AR268:2, AR207:2, AR223:2, AR199:2, AR060:2, AR178:2, AR316:2, AR204:2, AR173:2, AR295:2, AR200:2, AR183:2, AR212:2, AR309:2, AR233:2, AR216:2, AR229:1, AR294:1, AR237:1, AR290:1, AR235:1, AR239:1, AR228:1, AR288:1, AR234:1, AR201:1, AR168:1, AR289:1, AR293:1, AR286:1, AR222:1, AR236:1, AR258:1, AR182:1, AR033:1, AR287:1, AR283:1, AR282:1, AR266:1, AR232:1, AR262:1, AR230:1 H0052:2, H0261:1, H0271:1 and S0458:1.
				AR226:48, AR227:34, AR232:34, AR239:31, AR238:26, AR207:22, AR061:21, AR283:20, AR263:18, AR316:17, AR214:16, AR055:16, AR224:16, AR089:15, AR264:15, AR311:14, AR277:14, AR235:13, AR282:13, AR104:13, AR169:12, AR222:12, AR165:12, AR192:12, AR231:12, AR164:12, AR172:11, AR166:11, AR219:11, AR237:11, AR313:11, AR221:11, AR195:11, AR168:11, AR213:11, AR217:11, AR223:11, AR096:11, AR212:11, AR039:11, AR309:11, AR252:10, AR170:10, AR053:10, AR198:10, AR171:10, AR299:10, AR216:10, AR218:10, AR205:10, AR242:10, AR225:9, AR271:9, AR162:9, AR228:9, AR308:9, AR161:9, AR230:9, AR245:8, AR312:8, AR233:8, AR163:8, AR185:8, AR215:8, AR253:8, AR240:8, AR033:8, AR261:8, AR193:8, AR197:8, AR060:7, AR295:7, AR300:7, AR254:7, AR288:7, AR274:7, AR246:7, AR196:6, AR177:6, AR181:6, AR204:5, AR210:5, AR180:5, AR234:5, AR199:5, AR176:5, AR275:5, AR174:5, AR243:5, AR236:5, AR272:5, AR285:5, AR291:5, AR286:5, AR296:4, AR200:4, AR191:4, AR270:4, AR211:4, AR247:4, AR201:4, AR287:4, AR258:4, AR289:4, AR189:4, AR262:4, AR188:4, AR203:4, AR250:4, AR178:3, AR175:3, AR257:3, AR229:3, AR269:3, AR183:3, AR173:3, AR260:3, AR256:3, AR255:3, AR268:3, AR290:3, AR294:3, AR179:2, AR190:2, AR267:2, AR266:2 L0754:7, L0438:4, L0794:3, S0356:1, L3655:1, S0010:1, L0646:1, L0352:1, L0780:1, H0542:1 and H0423:1.
39	HCGMD59	636078	49	AR214:5, AR216:4, AR215:4, AR269:4, AR217:3, AR232:3, AR193:3, AR297:3, AR286:3, AR245:3, AR176:3, AR294:3, AR264:3, AR197:3, AR295:3, AR200:2, AR312:2, AR096:2, AR165:2, AR104:2, AR263:2, AR183:2, AR164:2, AR243:2, AR168:2, AR195:2, AR238:2, AR277:2, AR283:2, AR033:1, AR171:1, AR296:1, AR060:1, AR228:1, AR172:1, AR210:1, AR227:1, AR224:1, AR061:1, AR289:1, AR309:1, AR237:1, AR308:1, AR293:1 L0748:6, L0750:4, S0386:3, L0439:3, L0777:3, H0624:2, H0052:2, L0435:2, L0598:2, L0809:2, L0751:2, L0747:2, L0756:2, L0753:2, L0731:2, H0422:2, L0718:2, H0265:1, H0381:1, H0459:1, S0356:1, S0360:1, H0619:1, H0393:1, H0411:1, H0050:1, L0455:1, H0412:1, S0344:1, L0769:1, L0638:1, L0764:1, L0771:1, L0803:1, L0804:1, L0805:1, L0776:1, L0438:1, H0689:1, H0659:1, H0658:1, H0660:1, H0666:1, L0594:1 and S0106:1.
40	HCHNF25	1352270	50	AR199:83, AR164:50, AR166:49, AR250:49, AR165:46, AR211:44, AR248:43, AR210:43, AR296:40, AR272:40, AR212:39, AR285:39, AR273:38, AR308:35, AR195:35, AR291:34, AR052:33, AR255:32, AR254:32, AR196:31, AR312:31, AR298:29, AR280:28, AR189:28, AR261:27, AR289:27, AR197:27, AR266:27, AR188:26, AR284:26, AR238:25, AR314:24, AR309:24, AR190:24, AR311:24, AR297:24, AR191:23, AR161:23, AR162:23, AR282:23, AR253:23, AR265:23, AR163:22, AR315:22, AR262:22, AR286:21, AR213:21, AR288:21, AR173:21, AR264:21, AR053:21, AR290:21, AR295:21, AR184:20, AR268:20, AR245:20, AR219:20, AR240:20, AR033:20, AR257:20, AR200:20, AR310:19, AR249:19, AR287:19, AR247:19, AR283:18, AR269:18, AR256:18, AR263:18, AR275:18, AR260:18, AR089:18, AR243:18, AR270:17, AR186:17, AR180:17, AR235:17, AR174:17, AR178:17, AR292:16, AR313:16, AR203:16, AR104:16, AR193:16, AR182:16, AR096:16, AR181:16, AR299:16, AR239:15, AR236:15, AR258:15, AR300:15, AR218:15, AR176:14, AR175:14, AR267:14, AR183:13, AR274:13, AR316:13, AR246:13,

					AR231:12, AR185:12, AR271:12, AR293:12, AR277:11, AR198:11, AR201:11, AR294:11, AR061:11, AR226:10, AR234:10, AR177:10, AR252:10, AR232:10, AR055:9, AR215:9, AR192:9, AR039:9, AR221:9, AR216:9, AR179:9, AR229:9, AR214:8, AR223:8, AR225:8, AR281:8, AR207:8, AR217:8, AR224:8, AR242:8, AR259:8, AR222:8, AR060:7, AR169:7, AR230:7, AR170:7, AR244:7, AR251:6, AR194:6, AR233:6, AR202:6, AR241:6, AR171:6, AR227:6, AR168:6, AR204:5, AR172:5, AR228:5, AR206:5, L0514:16, L0500:13, L0777:11, L0499:10, L0755:10, L0769:8, L0493:8, L0747:8, L0749:7, L0766:6, L0748:6, S0360:5, L0497:5, L0508:5, H0457:4, L0507:4, L0770:4, L0805:4, S0374:4, H0659:4, L0779:4, L0596:4, L0588:4, S0356:3, S0358:3, S0438:3, S0440:3, S0422:3, L0505:3, L0761:3, L0646:3, L0771:3, L0498:3, L0803:3, L0774:3, L0775:3, L0776:3, L0655:3, L0513:3, L0659:3, L0666:3, L0751:3, L0758:3, L0759:3, H0580:2, H0431:2, H0251:2, H0529:2, L0504:2, L0373:2, L0764:2, L0649:2, L0650:2, L0375:2, L0651:2, L0512:2, L0663:2, L0665:2, L0710:2, S0126:2, H0689:2, S0330:2, L0750:2, L0752:2, S0434:2, L0591:2, L0608:2, H0170:1, T0002:1, H0685:1, S0040:1, H0294:1, S0134:1, L0785:1, H0484:1, L3659:1, H0637:1, H0592:1, L0623:1, H0486:1, H0421:1, H0052:1, H0150:1, H0510:1, H0375:1, S0316:1, H0687:1, H0252:1, H0606:1, H0169:1, T0067:1, H0412:1, S0038:1, L0351:1, H0509:1, L0796:1, L0800:1, L0642:1, L0374:1, L0765:1, L0773:1, L0388:1, L0376:1, L0784:1, L0806:1, L0509:1, L0653:1, L0807:1, L0782:1, L0809:1, L0543:1, L0788:1, L2260:1, L2261:1, H0144:1, H0690:1, H0658:1, H0648:1, S0378:1, S0380:1, H0696:1, S0406:1, S014:1, L0740:1, L0754:1, L0756:1, L0753:1, L0731:1, L0757:1, H0445:1, S0436:1, L0590:1, H0542:1 and H0543:1.
	HCHNF25	658672	362		
41	HCNDR47	1016919	51		AR282:5, AR060:5, AR309:4, AR055:4, AR266:4, AR162:4, AR213:4, AR161:4, AR163:4, AR225:4, AR254:3, AR270:3, AR177:3, AR207:3, AR300:3, AR176:3, AR089:3, AR192:3, AR263:2, AR221:2, AR172:2, AR198:2, AR104:2, AR224:2, AR283:2, AR240:2, AR277:2, AR185:2, AR165:2, AR218:2, AR164:2, AR197:2, AR166:2, AR096:2, AR299:2, AR275:2, AR269:2, AR236:2, AR168:2, AR316:2, AR288:2, AR313:2, AR171:2, AR217:2, AR183:2, AR308:2, AR257:2, AR039:2, AR296:2, AR272:2, AR264:1, AR033:1, AR261:1, AR311:1, AR246:1, AR212:1, AR286:1, AR289:1, AR255:1, AR231:1, AR237:1, AR061:1, AR179:1, AR238:1, AR297:1, AR245:1, AR195:1, AR215:1, L0794:3, L0764:2, L0439:2, H0052:1, H0597:1, T0006:1, L0766:1, H0648:1, S0330:1 and L0753:1.
	HCNDR47	863677	363		
	HCNDR47	874128	364		
42	HCNSB61	526413	52		AR235:4, AR180:3, AR282:3, AR192:2, AR197:2, AR295:2, AR266:2, AR271:2, AR060:2, AR162:1, AR161:1, AR163:1, AR170:1, AR089:1, AR169:1, AR257:1, AR261:1, AR217:1, AR168:1, AR277:1, AR225:1, AR311:1, AR164:1, AR247:1, AR296:1, AR245:1, H0231:1 and S0216:1.
43	HCNSM70	637547	53		AR207:46, AR223:40, AR281:39, AR194:39, AR214:36, AR169:35, AR222:34, AR206:34, AR202:33, AR264:32, AR263:30, AR195:30, AR315:29, AR308:29, AR235:28, AR212:28, AR172:28, AR170:27, AR224:27, AR246:27, AR168:27, AR311:26, AR171:26, AR244:25, AR205:25, AR165:25, AR280:24, AR198:24, AR164:24, AR216:23, AR192:23, AR166:23, AR241:23, AR213:23, AR271:22, AR162:22, AR314:22, AR245:22, AR163:21, AR261:21, AR197:21, AR265:21, AR161:20, AR217:20, AR215:20, AR225:19, AR243:19, AR309:19, AR053:19, AR310:18, AR221:18, AR033:18, AR295:17, AR236:17, AR273:17, AR204:17, AR242:17, AR274:16, AR196:16, AR201:15, AR240:15, AR288:15, AR052:15, AR252:15, AR282:15, AR193:14, AR177:14, AR312:14, AR251:14, AR174:14,

				AR275:13, AR247:13, AR211:13, AR089:13, AR181:13, AR297:13, AR210:12, AR039:12, AR277:12, AR284:12, AR299:12, AR188:12, AR232:12, AR283:12, AR300:12, AR266:12, AR272:12, AR096:12, AR176:12, AR289:11, AR180:11, AR229:11, AR199:11, AR238:11, AR313:11, AR291:11, AR285:11, AR191:11, AR178:11, AR262:11, AR292:10, AR186:10, AR316:10, AR239:10, AR226:10, AR230:10, AR173:10, AR231:10, AR250:9, AR227:9, AR055:9, AR286:9, AR219:9, AR293:9, AR185:9, AR296:9, AR255:9, AR104:9, AR175:9, AR200:9, AR258:9, AR298:9, AR253:9, AR237:9, AR218:9, AR190:9, AR287:9, AR183:8, AR268:8, AR203:8, AR260:8, AR234:8, AR257:8, AR179:8, AR189:8, AR254:8, AR269:8, AR270:8, AR182:8, AR061:8, AR256:7, AR248:7, AR233:7, AR060:7, AR294:7, AR228:7, AR259:6, AR290:6, AR267:6, AR249:5, AR184:5, L0748:5, H0046:2, H0012:2, H0620:2, L0804:2, L0747:2, H0624:1, H0662:1, S0356:1, S0358:1, H0602:1, H0592:1, H0013:1, H0042:1, T0110:1, H0231:1, H0622:1, H0264:1, H0494:1, L0771:1, L0666:1, S0374:1, H0693:1, H0593:1, H0670:1, H0672:1, L0749:1, L0779:1, L0758:1, L0596:1 and H0506:1.
	HCNSM70	589445	365	
44	HCUCK44	720291	54	AR172:3, AR245:3, AR252:3, AR161:3, AR164:3, AR166:3, AR221:2, AR162:2, AR163:2, AR169:2, AR311:2, AR261:2, AR165:2, AR214:2, AR224:2, AR296:2, AR264:1, AR195:1, AR277:1, AR212:1, AR217:1, AR096:1, AR193:1, AR295:1, AR287:1, AR216:1, AR213:1, AR257:1, AR275:1, AR089:1, AR201:1, AR282:1, L3450:19, H0271:18, S0002:12, L0794:12, S0144:8, L3783:8, L3807:8, H0250:7, L0777:7, L3119:6, L3729:6, L0665:6, H0518:6, S0132:5, H0264:5, S0426:5, S0328:5, S0330:5, L0758:5, S0444:4, S0344:4, L0770:4, L0776:4, L0659:4, S0052:4, S0053:4, L0743:4, L0747:4, S0436:4, L0065:3, L0769:3, L0766:3, L0774:3, L0657:3, H0521:3, L0748:3, L0749:3, L0731:3, L2999:2, H0306:2, H0402:2, H0638:2, S0360:2, S0408:2, S0476:2, H0393:2, S0278:2, L3516:2, H0050:2, H0014:2, H0416:2, H0617:2, H0634:2, H0494:2, S0440:2, L0800:2, L0771:2, L0648:2, L0549:2, L0806:2, L0805:2, L0666:2, S0428:2, S0216:2, L3210:2, S0404:2, L0439:2, L0740:2, L0752:2, L0596:2, L0599:2, T0002:1, H0159:1, H0650:1, H0657:1, L0785:1, H0662:1, L3659:1, S0442:1, S0358:1, S0410:1, L3646:1, H0741:1, L3117:1, H0619:1, L2791:1, H0613:1, H0600:1, H0592:1, H0486:1, L2504:1, L3750:1, H0069:1, H0581:1, H0596:1, H0044:1, H0009:1, H0024:1, H0057:1, S0051:1, H0355:1, H0615:1, L0483:1, S0036:1, H0090:1, H0038:1, H0087:1, H0413:1, H0100:1, S0448:1, S0142:1, S0210:1, H0529:1, L3904:1, L0761:1, L0772:1, L0372:1, L0646:1, L0645:1, L0764:1, L0773:1, L0662:1, L0768:1, L0387:1, L0649:1, L0551:1, L0550:1, L0803:1, L0775:1, L0653:1, L0655:1, L0656:1, L0782:1, L0787:1, L4537:1, L2257:1, S0374:1, H0690:1, H0659:1, H0658:1, S0378:1, H0710:1, S0152:1, H0696:1, H0704:1, S0406:1, H0436:1, L0744:1, L0756:1, L0779:1, L0780:1, L0755:1, L0759:1, S0031:1, L0581:1, L0601:1, L0603:1, S0196:1, L3632:1 and H0352:1.
45	HCUEO60	499242	55	AR313:24, AR242:23, AR192:19, AR162:19, AR161:18, AR163:17, AR039:16, AR089:15, AR165:15, AR164:15, AR198:15, AR300:15, AR166:14, AR252:14, AR104:14, AR096:13, AR250:13, AR185:12, AR174:12, AR053:12, AR254:12, AR204:12, AR270:12, AR212:12, AR240:11, AR233:11, AR197:11, AR205:11, AR264:10, AR312:9, AR193:9, AR229:9, AR201:9, AR234:9, AR247:9, AR177:9, AR253:9, AR183:9, AR283:9, AR245:8, AR226:8, AR275:8, AR266:8, AR274:8, AR243:8, AR213:7, AR207:7, AR263:7, AR272:7, AR246:7, AR239:7, AR316:7, AR173:7, AR262:7, AR299:7, AR060:7, AR195:7, AR238:7, AR179:6, AR308:6, AR293:6, AR271:6, AR309:6, AR231:6, AR282:6, AR297:6, AR269:5, AR176:5, AR294:5, AR311:5, AR277:5, AR232:5, AR237:5, AR230:5, AR255:4, AR295:4, AR296:4, AR181:4, AR033:4, AR289:4, AR257:4, AR267:4, AR055:4, AR268:3, AR224:3, AR199:3, AR061:3, AR196:3, AR215:3, AR288:3, AR258:3, AR168:3, AR236:3, AR235:3, AR221:2, AR290:2, AR182:2, AR261:2, AR175:2, AR286:2, AR214:2, AR222:2, AR180:2,

46	HCUHK65	651313	56	AR178:1, AR189:1, AR291:1, AR216:1, AR169:1 H0402:1 AR313:16, AR089:15, AR039:14, AR096:11, AR312:10, AR185:10, AR104:9, AR277:8, AR316:8, AR299:8, AR263:7, AR310:7, AR240:6, AR060:6, AR309:5, AR033:5, AR296:5, AR300:5, AR282:4, AR192:4, AR186:4, AR274:3, AR175:3, AR219:3, AR055:3, AR284:3, AR218:3, AR267:3, AR294:3, AR177:2, AR246:2, AR182:2, AR293:2, AR241:2, AR268:2, AR292:2, AR270:2, AR266:2, AR295:2, AR290:2, AR285:2, AR283:2, AR183:1, AR232:1, AR289:1, AR052:1, AR238:1, AR286:1, AR053:1, AR233:1, AR269:1, AR061:1, AR206:1, AR259:1 H0543:18, S0414:11, L0438:6, S0412:6, L0747:5, L0439:4, L0750:4, L0779:4, L0759:4, L0592:4, H0156:3, L0758:3, H0423:3, H0402:2, H0251:2, L0770:2, L0809:2, L0777:2, H0542:2, H0422:2, H0624:1, H0170:1, S0114:1, S0420:1, S0007:1, S0026:1, H0351:1, S0016:1, H0013:1, L0021:1, H0575:1, S0346:1, L0157:1, T0010:1, H0354:1, S0036:1, H0038:1, L3905:1, L0794:1, L0804:1, L0787:1, L0666:1, H0658:1 and L0742:1.
47	HCUHK65 HCUIM65	880178 550208	366 57	AR223:4, AR215:3, AR268:3, AR270:3, AR250:3, AR161:3, AR246:3, AR162:3, AR166:2, AR171:2, AR254:2, AR217:2, AR213:2, AR177:2, AR089:2, AR243:2, AR290:2, AR257:2, AR269:2, AR288:1, AR313:1, AR179:1, AR205:1, AR309:1, AR165:1, AR163:1, AR170:1, AR261:1, AR225:1, AR195:1, AR240:1, AR181:1, AR238:1, AR193:1, AR299:1 L0789:4, L0809:2, L0759:2, L0596:2, H0306:1, H0402:1, H0580:1, H0550:1, H0370:1, H0404:1, H0559:1, H0486:1, H0031:1, H0674:1, H0135:1, H0100:1, L0800:1, L0794:1, L0804:1, L0805:1, L0515:1, L0783:1, H0672:1, L0777:1, H0444:1 and H0352:1.
48	HCWDS72	707833	58	AR194:5, AR162:5, AR241:4, AR215:4, AR249:4, AR313:3, AR221:3, AR207:3, AR310:3, AR169:3, AR265:3, AR229:3, AR183:3, AR298:2, AR282:2, AR284:2, AR291:2, AR292:2, AR270:2, AR312:2, AR223:2, AR165:2, AR273:2, AR182:2, AR164:2, AR227:2, AR240:2, AR289:2, AR166:2, AR172:2, AR266:2, AR246:2, AR061:2, AR222:2, AR293:2, AR269:2, AR053:2, AR171:2, AR238:2, AR295:2, AR271:1, AR177:1, AR163:1, AR299:1, AR052:1, AR290:1, AR039:1, AR231:1, AR296:1, AR096:1, AR178:1, AR186:1, AR232:1, AR294:1, AR285:1, AR286:1, AR192:1, AR233:1, AR268:1, AR247:1, AR161:1, AR230:1, AR274:1, AR226:1, AR210:1, AR300:1, AR089:1, AR311:1, AR277:1, AR234:1, AR237:1, AR193:1, AR206:1, AR259:1, AR201:1, AR168:1, AR216:1 L0752:30, L0754:17, L0740:16, H0521:14, L0439:14, L0766:12, S0003:11, S0214:11, L0777:10, S0002:8, L0770:8, L0776:8, L0748:8, L0755:8, S0360:7, L0665:7, L0757:7, T0067:6, S0440:6, L0666:6, L0747:6, L0774:5, L0751:5, S0222:4, H0575:4, H0622:4, L0662:4, L0775:4, H0547:4, S0126:4, S0380:4, L0750:4, L0758:4, S0436:4, L0362:4, H0638:3, H0580:3, H0494:3, S0422:3, L0598:3, S0374:3, H0710:3, H0522:3, H0555:3, L0356:3, L0756:3, L0780:3, L0731:3, L0759:3, L0594:3, S0134:2, S0376:2, S0046:2, H0393:2, S0278:2, H0438:2, H0586:2, L2477:2, H0156:2, S0474:2, H0581:2, H0421:2, T0110:2, S0628:2, S0022:2, H0090:2, H0591:2, H0040:2, H051:2, H0412:2, L0520:2, L0764:2, L0768:2, L0803:2, L0655:2, L0807:2, L0659:2, L0664:2, L0438:2, H0648:2, H0672:2, S0406:2, S0028:2, L0588:2, L0599:2, H0667:2, S0196:2, H0624:1, H0171:1, H0265:1, S0040:1, H0713:1, S0114:1, L0811:1, H0341:1, S0212:1, S0001:1, H0661:1, H0305:1, S0418:1, L3649:1, H0741:1, S0045:1, H0747:1, S0132:1, S0476:1, L3089:1, H0619:1, H0415:1, H0409:1, L1942:1, L2495:1, L3655:1, H0013:1, S0010:1, S0665:1, H0327:1, H0046:1, L0157:1, S0051:1, T0010:1, H0266:1, H0179:1, H0615:1, H0096:1, H0031:1, H0553:1, L0055:1, H0674:1, H0163:1, H0038:1, H0264:1, H0413:1, L0564:1, H0560:1, H0359:1, H0509:1, S0142:1, S0344:1, UNKWN:1, L0369:1, L0762:1, L0371:1, L0796:1, L0761:1, L0373:1, L0773:1, L0521:1, L0794:1,

49	HCWGU37	1042325	59	L0804:1, L0784:1, L0518:1, L0783:1, L0647:1, L5622:1, L5623:1, L3391:1, L2657:1, L2662:1, L3636:1, H0144:1, H0684:1, H0659:1, H0658:1, S0330:1, S0152:1, H0696:1, S0404:1, S0037:1, L0746:1, L0779:1, S0031:1, H0707:1, S0434:1, L0480:1, L0608:1, L0604:1, S0011:1, S0192:1, S0456:1 and H0506:1.
				AR165:7, AR164:6, AR166:6, AR313:6, AR161:5, AR162:5, AR163:5, AR089:5, AR263:5, AR039:5, AR252:4, AR173:4, AR275:4, AR178:3, AR185:3, AR212:3, AR240:3, AR268:3, AR300:3, AR193:3, AR223:3, AR196:3, AR096:3, AR247:3, AR192:3, AR262:3, AR179:3, AR234:3, AR195:3, AR053:3, AR312:3, AR229:3, AR104:3, AR222:3, AR282:3, AR060:3, AR297:3, AR174:3, AR213:3, AR269:2, AR257:2, AR285:2, AR308:2, AR175:2, AR291:2, AR261:2, AR277:2, AR191:2, AR218:2, AR311:2, AR255:2, AR272:2, AR258:2, AR316:2, AR182:2, AR201:2, AR207:2, AR237:2, AR203:2, AR286:2, AR246:2, AR233:2, AR231:2, AR296:2, AR290:2, AR236:2, AR264:2, AR199:2, AR188:2, AR288:1, AR293:1, AR295:1, AR299:1, AR205:1, AR181:1, AR287:1, AR214:1, AR294:1, AR232:1, AR238:1, AR033:1, AR228:1, AR226:1, AR267:1, AR219:1, AR239:1, AR211:1 H0589:60, S0042:29, H0402:3, H0305:3, L0770:2, S0052:2, L0744:2, L0740:2, H0438:1, H0051:1, S0038:1, S0386:1, H0521:1, L0743:1, L0779:1 and L0366:1.
	HCWGU37	901913	367	
50	HCWKCI5	553621	60	AR313:9, AR164:8, AR165:8, AR166:8, AR163:7, AR161:7, AR162:7, AR089:6, AR039:5, AR173:5, AR096:5, AR180:5, AR192:4, AR263:4, AR299:4, AR282:4, AR242:4, AR053:4, AR178:4, AR175:4, AR247:4, AR269:4, AR296:4, AR257:3, AR212:3, AR174:3, AR240:3, AR262:3, AR196:3, AR274:3, AR312:3, AR234:3, AR229:3, AR199:3, AR243:3, AR264:3, AR185:3, AR300:3, AR179:3, AR311:3, AR191:3, AR293:3, AR181:3, AR272:3, AR297:3, AR213:3, AR171:3, AR270:3, AR183:3, AR238:3, AR236:3, AR316:3, AR060:3, AR308:3, AR294:3, AR266:3, AR226:3, AR177:3, AR258:3, AR285:2, AR104:2, AR233:2, AR172:2, AR193:2, AR197:2, AR291:2, AR231:2, AR188:2, AR219:2, AR255:2, AR275:2, AR189:2, AR237:2, AR290:2, AR295:2, AR287:2, AR218:2, AR277:2, AR218:2, AR228:2, AR268:2, AR204:2, AR190:2, AR246:2, AR239:2, AR232:2, AR261:2, AR223:2, AR201:2, AR217:2, AR195:2, AR260:1, AR200:1, AR170:1, AR286:1, AR216:1, AR288:1, AR222:1, AR227:1, AR230:1 H0305:2 and H0589:1.
51	HCWLD74	628256	61	AR268:4, AR243:3, AR270:3, AR180:3, AR282:3, AR162:3, AR254:3, AR252:2, AR039:2, AR204:2, AR238:2, AR161:2, AR170:2, AR269:2, AR267:2, AR257:2, AR210:2, AR168:2, AR262:2, AR053:2, AR183:2, AR299:2, AR290:1, AR224:1, AR311:1, AR309:1, AR258:1, AR277:1, AR289:1, AR178:1, AR217:1, AR228:1, AR312:1, AR172:1, AR293:1, AR164:1, AR089:1, AR185:1, AR205:1, AR166:1, AR163:1, AR313:1, AR295:1, AR201:1 H0305:3 and H0589:1.
52	HDHEB60	499233	62	AR195:10, AR245:9, AR242:9, AR309:9, AR196:8, AR192:8, AR225:8, AR207:8, AR246:8, AR169:8, AR170:8, AR223:8, AR224:7, AR214:7, AR039:7, AR172:7, AR215:7, AR201:7, AR222:7, AR193:7, AR205:7, AR221:7, AR199:7, AR272:7, AR168:7, AR089:7, AR213:6, AR263:6, AR165:6, AR216:6, AR164:6, AR274:6, AR217:6, AR261:6, AR053:6, AR166:6, AR055:6, AR312:6, AR308:6, AR197:6, AR283:5, AR240:5, AR282:5, AR171:5, AR253:5, AR235:5, AR311:5, AR295:5, AR250:5, AR275:5, AR243:5, AR291:5, AR162:5, AR297:5, AR264:5, AR313:5, AR288:5, AR316:5, AR204:5, AR163:5, AR299:5, AR161:5, AR257:5, AR286:5, AR215:5, AR189:5, AR236:5, AR210:5, AR177:5, AR060:4, AR212:4, AR033:4, AR285:4, AR188:4, AR200:4, AR174:4, AR287:4, AR096:4, AR296:4, AR258:4, AR175:4, AR218:4, AR176:4, AR293:4, AR180:4, AR191:4, AR203:4, AR219:4, AR289:4, AR277:4, AR256:4, AR183:4, AR190:4, AR247:4, AR300:4, AR181:3, AR269:3, AR173:3, AR262:3, AR238:3, AR268:3, AR178:3, AR185:3, AR255:3, AR270:3, AR294:3, AR266:3, AR211:3, AR260:3, AR229:3, AR104:3, AR231:3, AR267:3, AR239:3, AR182:3, AR226:3, AR232:3, AR061:2,

53	HDLAC10	692299	63	AR233:2, AR237:2, AR243:2, AR179:2, AR230:2, AR228:2, H0265:2, S0442:2, S0360:2, H0581:2, H0052:2, H0570:2, H0087:2, L0439:2, H0445:2, H0650:1, S0354:1, H0580:1, H0741:1, H0586:1, H0559:1, H0486:1, L0021:1, H0618:1, H0009:1, H0571:1, S0051:1, S0368:1, H0553:1, H0181:1, H0551:1, S0294:1, L3905:1, L0646:1, L0764:1, L0662:1, L0794:1, L0658:1, L0659:1, L0665:1, H0547:1, H0682:1, H0684:1, H0670:1 and S3014:1.
				AR225:4, AR215:4, AR282:4, AR192:3, AR235:3, AR171:3, AR242:3, AR169:3, AR246:2, AR264:2, AR162:2, AR172:2, AR089:2, AR240:2, AR205:2, AR311:2, AR213:2, AR204:1, AR168:1, AR222:1, AR163:1, AR060:1, AR230:1, AR257:1, AR299:1, AR297:1, AR313:1, AR226:1, AR096:1, AR236:1, AR272:1, AR223:1, AR178:1, AR224:1, AR295:1, L0766:4, L0438:4, H0038:3, L0666:3, L0777:3, H0445:3, H0624:2, H0170:2, H0341:2, S0212:2, H0661:2, S0003:2, H0615:2, H0031:2, H0068:2, L0804:2, H0519:2, H0555:2, L0743:2, L0745:2, L0779:2, L0411:1, H0171:1, S0342:1, S0134:1, S0218:1, H0650:1, H0657:1, L0005:1, S0358:1, S0360:1, S0007:1, S0046:1, H0550:1, H0586:1, H0485:1, H0486:1, S0218:1, H0599:1, H0318:1, H0581:1, H0320:1, H0373:1, H0266:1, S0214:1, H0328:1, H0428:1, S0366:1, H0551:1, T0060:1, H0494:1, S0002:1, H0529:1, L0638:1, L0761:1, L0667:1, L0374:1, L0764:1, L0803:1, L0655:1, L0606:1, L0635:1, L0665:1, S0374:1, H0690:1, H0658:1, H0672:1, H0539:1, H0518:1, S0406:1, S0028:1, L0439:1, L0755:1, L0759:1, S0308:1, L0599:1, S0026:1, H0667:1, H0543:1, H0423:1 and H0422:1.
54	HDPBA28	1062783	64	AR249:72, AR213:48, AR253:40, AR096:37, AR052:37, AR263:33, AR053:32, AR212:31, AR265:27, AR184:26, AR254:26, AR264:22, AR248:18, AR251:17, AR240:17, AR313:16, AR268:14, AR272:13, AR290:13, AR311:13, AR310:13, AR177:13, AR180:13, AR246:13, AR245:10, AR250:10, AR309:10, AR275:10, AR183:9, AR247:9, AR274:9, AR312:9, AR039:9, AR308:9, AR269:9, AR271:8, AR179:8, AR270:8, AR267:8, AR316:7, AR198:7, AR252:7, AR244:7, AR243:7, AR175:6, AR193:6, AR195:6, AR165:6, AR299:6, AR192:6, AR166:6, AR201:6, AR164:6, AR162:6, AR161:6, AR242:6, AR163:6, AR273:6, AR300:5, AR197:5, AR284:5, AR282:5, AR055:5, AR181:4, AR169:4, AR174:4, AR185:4, AR061:4, AR089:4, AR298:4, AR259:4, AR234:4, AR293:3, AR182:3, AR202:3, AR205:3, AR231:3, AR215:3, AR283:3, AR236:3, AR225:3, AR173:2, AR178:2, AR060:2, AR294:2, AR186:2, AR296:2, AR222:2, AR285:2, AR281:2, AR104:2, AR292:2, AR176:2, AR295:2, AR207:2, AR217:2, AR229:2, AR289:2, AR226:2, AR291:2, AR206:2, AR172:2, AR288:2, AR033:2, AR235:2, AR238:2, AR191:2, AR170:2, AR194:2, AR232:2, AR230:2, AR286:2, AR189:1, AR257:1, AR190:1, AR199:1, AR277:1, AR287:1, AR200:1, AR224:1, AR171:1, AR297:1, AR223:1, AR168:1, AR228:1, AR266:1, AR258:1, AR233:1, AR204:1, AR262:1, AR315:1, AR255:1, AR237:1, AR280:1, H0521:4, L0454:2, S0442:2, L0758:2, H0720:1, H0255:1, S0376:1, H0486:1, H0581:1, H0373:1, H0268:1, S0440:1, L0763:1, L0803:1, H0435:1, H0658:1, L3833:1, H0522:1, L0748:1, L0749:1, L0588:1 and H0543:1.
	HDPBA28	866429	368	
55	HDPBQ71	1160316	65	AR281:64, AR202:46, AR280:44, AR315:42, AR314:41, AR194:37, AR206:29, AR244:28, AR265:26, AR310:25, AR241:22, AR246:21, AR249:21, AR292:20, AR284:20, AR251:19, AR273:19, AR033:19, AR263:19, AR205:18, AR283:18, AR248:17, AR052:17, AR096:17, AR213:16, AR299:16, AR282:15, AR275:15, AR243:15, AR298:15, AR039:14, AR232:14, AR198:13, AR313:13, AR274:13, AR259:13, AR300:13, AR271:12, AR270:12, AR295:12, AR247:11, AR186:11, AR185:11, AR184:11, AR192:11, AR277:11, AR218:11, AR266:11, AR204:11, AR291:11, AR053:10, AR219:10, AR296:10, AR268:10, AR089:10, AR294:10, AR104:10, AR253:9, AR175:9, AR177:9, AR055:9, AR183:9, AR312:9, AR293:9, AR285:9, AR269:8, AR182:8, AR309:8, AR316:8, AR256:8, AR238:8, AR240:7, AR286:7,

					AR226:7, AR234:7, AR289:7, AR237:7, AR290:7, AR227:6, AR245:6, AR231:6, AR258:6, AR229:6, AR267:6, AR061:6, AR060:5, AR170:5, AR250:4, AR179:4, AR233:4, AR195:3, AR212:3, AR162:3, AR161:3, AR163:3, AR166:3, AR252:3, AR311:3, AR225:2, AR221:2, AR308:2, AR264:2, AR217:2, AR165:2, AR164:2, AR173:2, AR168:2, AR176:2, AR181:2, AR272:2, AR178:1, AR174:1, L0439:8, H0551:5, L0754:5, L0777:5, H0624:4, L0666:4, L0438:4, L0748:4, L0759:4, L0471:3, H0031:3, S0422:3, L0774:3, H0521:3, L0779:3, S0222:2, H0156:2, H0373:2, H0038:2, T0067:2, H0494:2, L0649:2, L0776:2, H0547:2, H0539:2, H0696:2, L0756:2, L0755:2, L0731:2, L0757:2, L0592:2, H0170:1, H0171:1, H0556:1, S0116:1, H0341:1, H0661:1, H0662:1, L3658:1, H0125:1, S0420:1, S0442:1, S0354:1, S0444:1, S0408:1, H0580:1, H0208:1, S0132:1, H0645:1, L2738:1, L3484:1, S0036:1, H0163:1, H0090:1, H0616:1, H0412:1, L0564:1, L0065:1, S0438:1, H0375:1, S0250:1, S0003:1, H0615:1, L0803:1, L0775:1, L0807:1, L0659:1, L0663:1, L0665:1, L2259:1, L3811:1, S0126:1, H0633:1, S0344:1, S0002:1, L0640:1, L0803:1, S0392:1, S0390:1, S0037:1, S0028:1, L0751:1, L0747:1, L0749:1, L0758:1, H0711:1, H0658:1, S0328:1, S0380:1, S0406:1, S0392:1, S0390:1, S0037:1, S0028:1, L0751:1, L0747:1, L0749:1, L0758:1, L0599:1, L0603:1, L0366:1, S0011:1, S0242:1, S0194:1, H0542:1, H0423:1, L3352:1, L3562:1 and H0506:1.
56	HDPBQ71	727200	369		AR281:19, AR202:15, AR194:15, AR196:14, AR315:13, AR207:13, AR206:13, AR265:13, AR205:12, AR244:12, AR195:12, AR222:11, AR033:11, AR235:10, AR214:10, AR263:10, AR225:10, AR218:10, AR246:10, AR197:10, AR261:10, AR284:10, AR310:10, AR170:10, AR242:10, AR224:10, AR198:10, AR162:10, AR311:9, AR161:9, AR172:9, AR192:9, AR241:9, AR169:9, AR223:9, AR171:9, AR291:9, AR183:9, AR314:9, AR273:9, AR215:9, AR163:9, AR298:9, AR216:8, AR295:8, AR217:8, AR174:8, AR240:8, AR280:8, AR282:8, AR275:8, AR193:8, AR181:8, AR243:8, AR245:8, AR252:8, AR221:8, AR168:8, AR264:8, AR219:8, AR285:8, AR271:8, AR165:7, AR176:7, AR177:7, AR201:7, AR296:7, AR211:7, AR191:7, AR270:7, AR212:7, AR175:7, AR164:7, AR269:7, AR247:7, AR184:7, AR289:7, AR288:7, AR309:7, AR286:7, AR210:7, AR213:7, AR268:7, AR250:7, AR200:7, AR287:7, AR189:7, AR292:7, AR053:7, AR266:7, AR104:6, AR173:6, AR204:6, AR297:6, AR283:6, AR272:6, AR290:6, AR236:6, AR182:6, AR312:6, AR308:6, AR180:6, AR096:6, AR277:6, AR188:6, AR293:6, AR186:6, AR299:6, AR190:5, AR052:5, AR300:5, AR199:5, AR039:5, AR251:5, AR089:5, AR249:5, AR178:5, AR231:5, AR294:5, AR248:5, AR274:5, AR316:5, AR055:4, AR232:4, AR257:4, AR267:4, AR313:4, AR262:4, AR258:4, AR234:4, AR238:4, AR229:4, AR203:4, AR254:4, AR256:3, AR061:3, AR255:3, AR179:3, AR226:3, AR185:3, AR259:3, AR227:3, AR260:3, AR230:3, AR060:3, AR239:3, AR233:3, AR237:3, AR253:2, AR228:2, L0751:8, L0439:6, L0659:5, L0438:4, L0744:4, L0754:4, L0777:4, S0046:3, H0052:3, H0009:3, H0271:3, L0662:3, L0665:3, L0747:3, H0740:2, S0358:2, H0586:2, H0251:2, H0100:2, L3905:2, L0794:2, L0803:2, L0809:2, H0519:2, S0126:2, L0749:2, L0731:2, L0757:2, L0605:2, H0170:1, H0717:1, H0295:1, L0794:1, L0803:1, S0116:1, H0483:1, L3659:1, S0418:1, H0742:1, H0735:1, S0045:1, H0619:1, H0550:1, H0370:1, H0592:1, H0574:1, H0427:1, H0599:1, T0082:1, S0010:1, S0049:1, H0544:1, H0545:1, H0570:1, H0051:1, S0388:1, H0356:1, H0399:1, H0266:1, H0622:1, L0194:1, H0135:1, H0412:1, H0623:1, H0059:1, L0351:1, T0042:1, H0561:1, S0294:1, L0640:1, L4747:1, L5575:1, L5565:1, L0800:1, L0764:1, L0648:1, L0768:1, L0774:1, L0776:1, L0657:1, L0559:1, L0519:1, L0789:1, L0792:1, L0666:1, L0664:1, L0709:1, L3811:1, H0520:1, H0547:1, S0328:1, S0378:1, H0754:1, S0152:1, H0521:1, S0190:1, S0406:1, H0436:1, L0748:1, L0780:1, L0759:1, L0601:1, L0366:1 and H0423:1.
	HDPBQ71	727200	369		
	HDPBQ71	886067	370		
	HDPCL63	1019008	66		

	HDPCL63	847045	371	
	HDPCL63	897484	372	
57	HDPCO25	460682	67	AR060:2, AR055:2, AR282:2, H0521:2, H0445:2, H0394:1, H0747:1, H0581:1, L0761:1 and L0750:1.
58	HDPFF39	588697	68	AR194:31, AR202:28, AR198:25, AR205:24, AR206:24, AR281:24, AR246:22, AR244:21, AR263:21, AR315:20, AR241:19, AR192:19, AR243:19, AR282:18, AR033:17, AR280:17, AR265:17, AR275:16, AR283:16, AR273:15, AR204:15, AR285:14, AR291:14, AR277:14, AR296:14, AR247:14, AR039:14, AR314:13, AR284:13, AR240:13, AR289:13, AR266:13, AR310:13, AR295:13, AR298:12, AR104:12, AR183:12, AR316:12, AR274:12, AR089:12, AR060:12, AR055:11, AR186:11, AR182:11, AR270:11, AR292:11, AR232:11, AR286:11, AR300:11, AR053:10, AR218:10, AR268:10, AR294:10, AR052:10, AR312:10, AR309:10, AR096:10, AR238:10, AR251:9, AR271:9, AR185:9, AR299:9, AR269:9, AR184:9, AR229:9, AR177:9, AR175:9, AR219:9, AR231:9, AR313:8, AR227:8, AR213:8, AR061:8, AR234:8, AR226:8, AR290:7, AR267:7, AR293:7, AR249:7, AR248:6, AR233:6, AR256:6, AR253:5, AR259:5, AR237:5, AR238:5, AR179:4, H0556:1, H0255:1, H0391:1, S0049:1, H0553:1, L0455:1, H0264:1, H0561:1, H0539:1, H0521:1, H0522:1, L0748:1 and S0424:1.
59	HDPFP29	628254	69	AR311:15, AR263:15, AR223:14, AR224:14, AR264:14, AR214:14, AR195:13, AR215:12, AR222:12, AR168:12, AR309:12, AR225:12, AR169:12, AR161:11, AR162:11, AR235:11, AR163:11, AR171:11, AR253:11, AR217:11, AR089:10, AR213:10, AR212:10, AR252:10, AR207:10, AR165:10, AR240:10, AR172:10, AR216:10, AR192:9, AR053:9, AR221:9, AR166:9, AR164:9, AR170:9, AR245:9, AR308:9, AR196:8, AR282:8, AR312:8, AR039:8, AR246:8, AR254:8, AR295:8, AR198:8, AR288:8, AR096:7, AR316:7, AR193:7, AR277:7, AR181:7, AR177:7, AR261:7, AR250:7, AR299:7, AR060:7, AR189:7, AR205:7, AR174:6, AR274:6, AR191:6, AR229:6, AR271:6, AR201:6, AR243:6, AR188:6, AR210:6, AR268:6, AR247:6, AR285:6, AR269:6, AR197:6, AR173:6, AR313:6, AR199:6, AR272:6, AR183:5, AR175:5, AR289:5, AR300:5, AR297:5, AR275:5, AR200:5, AR185:5, AR218:5, AR180:5, AR190:5, AR178:5, AR238:5, AR055:5, AR262:5, AR211:5, AR291:5, AR290:5, AR033:5, AR270:5, AR203:5, AR176:5, AR296:5, AR104:5, AR293:5, AR219:5, AR287:5, AR286:5, AR255:5, AR236:5, AR204:5, AR234:4, AR294:4, AR257:4, AR266:4, AR179:4, AR283:4, AR239:4, AR231:4, AR242:4, AR182:4, AR232:4, AR258:4, AR061:3, AR226:3, AR230:3, AR267:3, AR227:3, AR237:3, AR256:3, AR228:3, AR260:2, S0474:6, L0766:6, L0662:4, L0748:4, H0556:3, L0387:3, L0659:3, L0779:3, H0255:2, H0402:2, S0360:2, S0408:2, S0410:2, H0309:2, H0591:2, H0087:2, L0764:2, L0809:2, L0666:2, L0663:2, H0648:2, L0751:2, L0754:2, L0747:2, H0295:1, S0116:1, H0306:1, S0376:1, H0747:1, H0749:1, H0771:1, H0455:1, L0623:1, H0581:1, H0052:1, H0569:1, H0123:1, H0428:1, H0039:1, H0622:1, T0006:1, H0628:1, H0673:1, L0369:1, L0770:1, L0769:1, L0638:1, L0761:1, L0667:1, L0772:1, L0643:1, L0771:1, L0794:1, L0803:1, L0804:1, L0774:1, L0806:1, L0805:1, L0655:1, L0657:1, L0658:1, L0783:1, L0519:1, L0789:1, L0352:1, S0378:1, H0521:1, H0478:1, L0744:1, L0439:1, L0777:1, L0753:1 and S0434:1.
60	HDPGI49	785887	70	AR274:5, AR198:5, AR164:5, AR165:5, AR313:5, AR166:4, AR053:4, AR089:4, AR161:3, AR162:3, AR172:3, AR191:3, AR205:3, AR270:3, AR178:3, AR200:3, AR176:3, AR189:3, AR295:3, AR291:3, AR212:3, AR213:3, AR254:3, AR188:3, AR297:3, AR174:3, AR282:3, AR173:3, AR269:3, AR190:3, AR272:3, AR261:3, AR257:3, AR196:3, AR287:3, AR268:3, AR262:3, AR312:3, AR267:2, AR285:2, AR300:2, AR296:2, AR275:2, AR163:2, AR179:2, AR243:2, AR290:2, AR104:2, AR289:2, AR293:2, AR308:2, AR183:2, AR255:2, AR207:2, AR299:2, AR185:2, AR096:2, AR316:2, AR235:2, AR195:2,

61	HDPGT01	771583	71	AR193:2, AR223:2, AR055:2, AR222:2, AR246:2, AR294:2, AR277:2, AR247:1, AR181:1, AR177:1, AR192:1, AR203:1, AR238:1, AR236:1, AR252:1, AR258:1, AR311:1, AR171:1, AR240:1, AR217:1, AR060:1, AR260:1, AR288:1, AR201:1, L0766:6, L0776:6, H0013:5, L0777:5, L0803:4, S0442:3, S0002:3, L0731:3, L0759:3, S0116:2, S0358:2, S0222:2, H0575:2, L0157:2, H0038:2, H0616:2, L0805:2, L0666:2, H0521:2, L0740:2, L0361:2, H0170:1, H0171:1, S0114:1, S0212:1, S0376:1, S0444:1, S0360:1, L3646:1, H0749:1, H0771:1, L0717:1, H0587:1, S0414:1, H0486:1, H0250:1, H0427:1, H0098:1, H0036:1, S0474:1, H0596:1, H0544:1, H0546:1, H0046:1, S0003:1, H0615:1, T0006:1, H0644:1, H0111:1, H0040:1, H0477:1, T0041:1, H0561:1, H0342:1, H0646:1, S0142:1, H0538:1, L0763:1, L0638:1, L0804:1, L0774:1, L0809:1, L0519:1, L0788:1, L4501:1, L0665:1, S0053:1, S0374:1, H0690:1, H0648:1, H0651:1, S0328:1, H0539:1, S0404:1, H0436:1, S0206:1, L0750:1, L0779:1, H0445:1, H0343:1, S0434:1, L0599:1, L0595:1 and H0506:1.
62	HDPHI51	460679	72	AR268:5, AR244:4, AR282:3, AR251:3, AR242:3, AR241:3, AR052:3, AR184:2, AR271:2, AR310:2, AR176:2, AR194:2, AR039:2, AR309:2, AR283:1, AR178:1, AR289:1, AR217:1, AR257:1, AR277:1, AR170:1, AR284:1, AR221:1, AR226:1, AR265:1, H0521:3, S0278:2, S0222:2, H0284:2, H0265:1, H0728:1, S0007:1, H0208:1, H0586:1, H0497:1, H0642:1, H0581:1, H0052:1, H0572:1, H0024:1, H0292:1, H0428:1, H0628:1, H0135:1, H0163:1, H0433:1, S0002:1, L2263:1, L0438:1, L3829:1, H0539:1, S0027:1, S0032:1, L0439:1, S0436:1, S0458:1 and H0352:1.
63	HDPJM30	879325	73	AR195:9, AR192:9, AR207:9, AR215:8, AR264:8, AR225:7, AR263:7, AR311:7, AR168:7, AR309:7, AR252:6, AR172:6, AR245:6, AR161:6, AR162:6, AR163:6, AR196:6, AR223:6, AR193:6, AR177:6, AR246:6, AR224:6, AR197:5, AR308:5, AR272:5, AR214:5, AR275:5, AR222:5, AR253:5, AR176:5, AR261:5, AR295:5, AR291:5, AR171:5, AR218:5, AR221:5, AR219:5, AR188:5, AR165:5, AR096:5, AR217:5, AR238:5, AR288:5, AR164:5, AR175:5, AR166:5, AR089:5, AR271:5, AR060:4, AR240:4, AR183:4, AR201:4, AR257:4, AR169:4, AR312:4, AR316:4, AR039:4, AR274:4, AR190:4, AR191:4, AR181:4, AR178:4, AR236:4, AR216:4, AR180:4, AR205:4, AR210:4, AR270:4, AR170:4, AR277:4, AR243:4, AR235:4, AR212:4, AR104:4, AR199:4, AR189:4, AR242:4, AR213:4, AR255:4, AR289:4, AR174:3, AR285:3, AR230:3, AR286:3, AR297:3, AR299:3, AR283:3, AR313:3, AR204:3, AR287:3, AR173:3, AR247:3, AR229:3, AR269:3, AR296:3, AR182:3, AR293:3, AR266:3, AR258:3, AR198:3, AR237:3, AR262:3, AR033:3, AR239:3, AR185:3, AR231:3, AR203:3, AR200:3, AR179:3, AR211:3, AR227:3, AR268:3, AR267:3, AR294:3, AR290:3, AR234:3, AR232:3, AR226:3, AR300:2, AR250:2, AR282:2, AR256:2, AR061:2, AR053:2, AR233:2, AR260:2, AR228:2, AR055:2, H0521:1.
				AR268:8, AR289:6, AR184:6, AR266:5, AR252:5, AR223:5, AR169:5, AR290:4, AR286:4, AR224:4, AR194:4, AR257:4, AR214:4, AR310:4, AR270:4, AR165:4, AR294:3, AR291:3, AR222:3, AR183:3, AR235:3, AR215:3, AR282:3, AR284:3, AR297:3, AR267:3, AR260:3, AR217:2, AR262:2, AR182:2, AR258:2, AR309:2, AR172:2, AR288:2, AR298:2, AR225:2, AR269:2, AR296:2, AR176:2, AR248:2, AR166:2, AR216:2, AR250:2, AR292:2, AR164:2, AR263:2, AR162:2, AR287:2, AR255:2, AR053:2, AR061:2, AR249:2, AR163:2, AR293:2, AR285:2, AR253:2, AR312:2, AR178:2, AR313:2, AR277:2, AR256:2, AR205:2, AR052:1, AR203:1, AR238:1, AR274:1, AR171:1, AR295:1, AR231:1, AR247:1, AR206:1, AR181:1, AR221:1, AR226:1, AR230:1, AR179:1, AR283:1, AR232:1, AR200:1, AR239:1, AR186:1, AR237:1, AR195:1, AR228:1, AR240:1, AR233:1, AR227:1, AR246:1, AR199:1, AR173:1, AR243:1, AR089:1, AR177:1, L0800:4, H0617:3, H0521:3, L0070:3, L0742:3, L0770:2, L0771:2, L0794:2, H0689:2, L0741:2, L0439:2, H0445:2, H0224:1, H0637:1, H0370:1, H0250:1, H0052:1, H0194:1, L0455:1, S0422:1, L0761:1, L0764:1, L0806:1, L0659:1, L5622:1, L0789:1, L0790:1, L0792:1, H0672:1, S0152:1, S0434:1 and S0436:1.

64	HDPJM30	603517	373	AR202:35, AR096:34, AR194:33, AR206:31, AR244:25, AR241:22, AR268:21, AR281:20, AR290:19, AR265:17, AR315:15, AR184:15, AR246:15, AR310:14, AR192:13, AR269:12, AR270:12, AR282:12, AR243:11, AR314:11, AR280:11, AR267:10, AR292:10, AR183:9, AR263:9, AR299:9, AR284:9, AR198:9, AR055:8, AR205:8, AR251:8, AR273:8, AR266:8, AR313:8, AR298:8, AR039:8, AR033:8, AR204:7, AR052:7, AR277:7, AR177:7, AR238:7, AR234:7, AR061:6, AR247:6, AR295:6, AR104:6, AR300:6, AR285:6, AR089:6, AR316:6, AR186:6, AR185:6, AR240:5, AR053:5, AR249:5, AR231:5, AR271:5, AR291:5, AR289:5, AR182:5, AR312:5, AR175:4, AR253:4, AR229:4, AR248:4, AR232:4, AR309:4, AR215:4, AR226:4, AR274:4, AR219:4, AR286:4, AR296:4, AR227:4, AR237:4, AR218:4, AR259:3, AR275:3, AR294:3, AR213:3, AR242:3, AR179:3, AR293:3, AR060:3, AR170:3, AR193:3, AR233:3, AR169:2, AR224:2, AR256:2, AR257:2, AR258:2, AR171:2, AR217:2, AR172:2, AR264:1, AR195:1, AR308:1, AR163:1, AR261:1, AR161:1, AR162:1, AR199:1, AR221:1, L0754:2, L0777:2, H0717:1, H0740:1, S0212:1, S0360:1, S0408:1, H0747:1, H0004:1, H0581:1, L0142:1, H0674:1, H0646:1, S0422:1, L0809:1, L0787:1, H0521:1 and H0522:1.
	HDPMM88	906121	374	
	HDPMM88	902299	375	
	HDPMM88	885059	376	
	HDPMM88	874074	377	
	HDPMM88	854246	378	
	HDPMM88	854245	379	
65	HDPNC61	637585	75	AR241:10, AR184:10, AR313:8, AR245:8, AR242:8, AR265:8, AR162:7, AR192:7, AR161:7, AR271:7, AR163:7, AR244:7, AR052:6, AR191:6, AR183:6, AR312:6, AR196:6, AR173:6, AR197:6, AR273:6, AR198:6, AR204:6, AR165:6, AR053:5, AR310:5, AR166:5, AR274:5, AR264:5, AR229:5, AR299:5, AR164:5, AR175:5, AR174:5, AR270:5, AR039:5, AR238:5, AR311:5, AR275:5, AR300:5, AR189:5, AR292:5, AR033:5, AR200:5, AR096:5, AR177:5, AR182:5, AR219:5, AR296:5, AR309:4, AR178:4, AR218:4, AR206:4, AR186:4, AR240:4, AR213:4, AR205:4, AR266:4, AR055:4, AR293:4, AR250:4, AR199:4, AR247:4, AR170:4, AR188:4, AR181:4, AR185:4, AR226:4, AR261:4, AR269:4, AR089:4, AR272:4, AR308:4, AR290:4, AR285:4, AR315:4, AR195:4, AR254:4, AR284:4, AR193:4, AR295:4, AR268:3, AR258:3, AR236:3, AR243:3, AR212:3, AR234:3, AR253:3, AR190:3, AR316:3, AR298:3, AR235:3, AR286:3, AR291:3, AR179:3, AR262:3, AR217:3, AR294:3, AR282:3, AR314:3, AR104:3, AR246:3, AR257:3, AR237:3, AR249:3, AR168:3, AR203:3, AR233:3, AR248:3, AR280:3, AR255:3, AR180:3, AR259:3, AR277:3, AR230:3, AR267:3, AR297:3, AR201:3, AR207:3, AR231:3, AR216:2, AR223:2, AR289:2, AR171:2, AR288:2, AR221:2, AR287:2, AR060:2, AR227:2, AR225:2, AR211:2, AR176:2, AR239:2, AR222:2, AR210:2, AR232:2, AR256:1, AR260:1, AR263:1, AR283:1, AR194:1, AR061:1, AR228:1, L0766:3, L0764:2, L0771:2, L0439:2, L0731:2, H0739:1, H0747:1, H0749:1, H0415:1, H0057:1, T0006:1, L0598:1, L0800:1, L0768:1, L0794:1, L0803:1, L0774:1, L0807:1, L0783:1, L0519:1, L0664:1, L4560:1, L0352:1, H0522:1, L0748:1, L0747:1, L0749:1 and L0756:1.
66	HDPOJ08	731863	76	AR250:19, AR254:19, AR269:19, AR268:16, AR248:16, AR290:15, AR249:13, AR270:12, AR253:12, AR183:10, AR267:10, AR180:10, AR161:9, AR162:9, AR165:9, AR164:9, AR163:9, AR181:8, AR166:8, AR173:8, AR174:8,

67	HDPOZ56	1352319	77	<p>AR184:7, AR235:7, AR252:7, AR229:7, AR176:7, AR177:6, AR178:6, AR265:6, AR239:6, AR182:6, AR175:6, AR096:6, AR291:5, AR189:5, AR288:5, AR287:5, AR190:5, AR251:5, AR263:5, AR230:5, AR179:5, AR228:5, AR236:4, AR234:4, AR257:4, AR193:4, AR238:4, AR237:4, AR285:4, AR233:4, AR289:4, AR185:4, AR311:4, AR286:4, AR308:4, AR226:4, AR282:4, AR264:4, AR240:4, AR232:4, AR201:4, AR261:4, AR292:4, AR089:4, AR210:4, AR212:4, AR295:4, AR247:4, AR297:4, AR275:4, AR262:4, AR245:4, AR195:4, AR188:4, AR231:4, AR197:4, AR309:4, AR196:4, AR284:4, AR191:4, AR299:4, AR313:3, AR255:3, AR199:3, AR200:3, AR293:3, AR300:3, AR316:3, AR296:3, AR246:3, AR203:3, AR243:3, AR294:3, AR214:3, AR104:3, AR060:3, AR219:3, AR298:3, AR033:3, AR227:3, AR053:3, AR221:2, AR271:2, AR312:2, AR223:2, AR218:2, AR061:2, AR259:2, AR224:2, AR217:2, AR277:2, AR225:2, AR258:2, AR215:2, AR039:2, AR168:2, AR266:2, AR211:2, AR055:2, AR222:2, AR205:2, AR216:2, AR202:1, AR213:1, AR260:1, AR256:1, AR314:1, S0474:29, L0766:11, H0521:10, L0803:7, L0748:6, L0717:5, L0759:5, S0003:4, L3832:4, H0663:3, H0156:3, L0598:3, L0770:3, L0771:3, L0804:3, L2439:3, H0522:3, L0731:3, S0436:3, H0486:2, S0426:2, L0805:2, L0659:2, L2260:2, S0126:2, S0406:2, L0749:2, L0755:2, L0757:2, L0758:2, L0590:2, S0026:2, H0716:1, H0341:1, S0212:1, L0481:1, S0444:1, S0360:1, L3649:1, H0637:1, H0580:1, H0734:1, H0749:1, L3092:1, H0619:1, L3388:1, H0586:1, H0574:1, H0427:1, L0021:1, H0575:1, H0318:1, H0545:1, H0024:1, H0373:1, H0071:1, S0214:1, H0428:1, H0674:1, H0591:1, H0616:1, H0488:1, H0494:1, S0438:1, S0440:1, H0647:1, S0142:1, UNKWN:1, L0369:1, L0763:1, L0769:1, L0646:1, L0648:1, L0662:1, L0650:1, L0775:1, L0653:1, L0776:1, L0656:1, L0782:1, L0809:1, L0519:1, S0052:1, L2657:1, H0144:1, L3823:1, H0520:1, H0547:1, H0660:1, S0380:1, L0742:1, L0439:1, L0750:1, L0777:1, S0031:1, H0445:1, S0434:1, H0665:1, H0667:1, S0194:1, S0276:1 and S0458:1.</p>
				<p>AR248:20, AR253:20, AR281:16, AR244:14, AR273:13, AR202:12, AR315:12, AR310:11, AR263:11, AR224:10, AR280:10, AR194:9, AR284:9, AR223:9, AR251:9, AR165:9, AR265:9, AR206:9, AR198:9, AR311:9, AR164:9, AR221:9, AR249:9, AR264:8, AR166:8, AR172:8, AR222:8, AR289:8, AR212:8, AR171:8, AR272:8, AR161:8, AR225:8, AR235:8, AR266:8, AR207:8, AR162:8, AR214:8, AR168:7, AR205:7, AR216:7, AR163:7, AR217:7, AR246:7, AR052:7, AR283:7, AR169:7, AR192:7, AR245:7, AR242:7, AR282:7, AR053:7, AR295:7, AR312:7, AR291:7, AR285:7, AR274:7, AR213:7, AR308:6, AR268:6, AR238:6, AR261:6, AR184:6, AR298:6, AR250:6, AR288:6, AR183:6, AR239:6, AR292:6, AR033:6, AR232:6, AR290:6, AR219:6, AR197:6, AR286:6, AR243:6, AR270:6, AR269:6, AR309:6, AR287:6, AR180:6, AR277:5, AR196:5, AR271:5, AR297:5, AR314:5, AR275:5, AR204:5, AR176:5, AR254:5, AR195:5, AR299:5, AR182:5, AR170:5, AR237:5, AR210:5, AR227:5, AR218:5, AR177:5, AR247:5, AR294:5, AR174:5, AR039:5, AR296:5, AR257:5, AR089:5, AR240:5, AR293:5, AR200:4, AR316:4, AR181:4, AR255:4, AR230:4, AR252:4, AR096:4, AR236:4, AR241:4, AR061:4, AR199:4, AR186:4, AR234:4, AR262:4, AR175:4, AR313:4, AR300:4, AR178:4, AR258:4, AR229:4, AR231:4, AR228:4, AR203:4, AR226:4, AR267:4, AR191:4, AR256:4, AR193:4, AR188:4, AR211:3, AR055:3, AR189:3, AR060:3, AR233:3, AR104:3, AR259:3, AR185:3, AR260:3, AR173:3, AR201:3, AR190:3, AR179:2, H0521:17, H0522:5, L0665:4, H0638:3, H0658:3, H0255:2, H0250:2, H0618:2, L0804:2, L0779:2, H0542:2, H0663:1, S0046:1, H0617:1, H0560:1, H0641:1, S0422:1, S0426:1, H0695:1, L0655:1, H0689:1, H0435:1, H0555:1, H0543:1, H0423:1 and H0506:1.</p>
	HDPOZ56	815653	380	
	HDPOZ56	743479	381	
68	HDPPN86	1037893	78	<p>AR212:4, AR235:3, AR266:2, AR221:2, AR207:2, AR205:2, AR216:2, AR168:2, AR282:2, AR257:2, AR181:1, AR311:1, AR212:4, AR235:3, AR266:2, AR221:2, AR207:2, AR205:2, AR216:2, AR168:2, AR282:2, AR257:2, AR181:1, AR311:1,</p>

					AR271:1, AR161:1, AR264:1, AR165:1, AR172:1, AR295:1, AR164:1, AR162:1, AR176:1, AR163:1, AR171:1, AR285:1, AR289:1, AR277:1, AR238:1, AR089:1, AR234:1, AR211:1, H0542:4, S0418:3, H0543:3, S0038:2, H0341:1, L0018:1, H0069:1, H0090:1, H0056:1, H0494:1, H0522:1 and H0423:1.
	HDPPN86	895711	382		
69	HDPSB18	1043263	79		AR197:9, AR060:8, AR253:8, AR161:8, AR162:8, AR163:8, AR165:8, AR164:7, AR089:7, AR166:7, AR204:7, AR192:7, AR207:7, AR177:6, AR193:6, AR185:6, AR235:6, AR271:6, AR195:6, AR053:6, AR312:6, AR233:6, AR232:6, AR174:5, AR282:5, AR104:5, AR299:5, AR227:5, AR212:5, AR181:5, AR309:5, AR264:5, AR205:5, AR308:5, AR178:5, AR237:5, AR061:5, AR313:5, AR300:5, AR175:5, AR263:5, AR247:5, AR223:5, AR173:5, AR226:5, AR272:5, AR243:5, AR240:5, AR311:5, AR055:5, AR269:5, AR201:4, AR229:4, AR286:4, AR182:4, AR246:4, AR236:4, AR295:4, AR316:4, AR285:4, AR261:4, AR293:4, AR275:4, AR291:4, AR228:4, AR274:4, AR296:4, AR176:4, AR213:4, AR297:4, AR179:4, AR270:4, AR254:4, AR039:4, AR239:4, AR262:4, AR288:4, AR180:4, AR287:4, AR096:4, AR238:4, AR183:4, AR203:4, AR033:4, AR257:4, AR234:4, AR230:4, AR294:3, AR198:3, AR289:3, AR255:3, AR266:3, AR258:3, AR267:3, AR283:3, AR168:3, AR217:3, AR231:3, AR214:3, AR277:3, AR252:3, AR196:3, AR250:3, AR218:3, AR245:3, AR190:2, AR216:2, AR268:2, AR224:2, AR290:2, AR188:2, AR191:2, AR189:2, AR221:2, AR260:2, AR222:2, AR200:2, AR171:2, AR211:2, AR210:2, AR219:2, AR172:2, AR199:2, AR215:1, AR170:1, AR225:1, AR256:1, L0769:5, L0774:3, H0656:2, S0442:2, S0358:2, S0360:2, S0278:2, H0620:2, L0500:2, L0775:2, L0710:2, L0777:2, L0752:2, L0588:2, H0149:1, H0295:1, T0049:1, H0381:1, H0484:1, H0483:1, H0638:1, S0420:1, S0444:1, S0408:1, S0045:1, H0587:1, H0318:1, H0204:1, H0530:1, H0545:1, H0178:1, L0471:1, L0142:1, H0181:1, H0087:1, H0412:1, H0623:1, H0100:1, S0438:1, H0633:1, H0646:1, H0529:1, L0506:1, L0761:1, L0764:1, L0648:1, L0766:1, L0497:1, L0493:1, L0511:1, L0665:1, L2260:1, H0698:1, H0690:1, H0521:1, S0406:1, S014:1, L0747:1, L0780:1, H0543:1 and H0422:1.
	HDPSB18	903816	383		
	HDPSB18	905414	384		
	HDPSB18	732097	385		
70	HDPSH53	1309174	80		AR214:47, AR207:47, AR263:40, AR222:34, AR169:33, AR235:33, AR212:31, AR213:30, AR223:29, AR170:29, AR311:29, AR309:28, AR168:28, AR195:27, AR264:26, AR192:26, AR224:26, AR216:24, AR295:24, AR171:24, AR245:24, AR217:23, AR172:23, AR198:22, AR308:22, AR271:22, AR161:21, AR162:21, AR163:21, AR252:21, AR261:21, AR288:21, AR053:20, AR166:20, AR197:20, AR242:20, AR201:20, AR033:19, AR205:19, AR177:19, AR312:19, AR193:19, AR165:18, AR240:18, AR229:18, AR277:18, AR254:18, AR164:18, AR225:17, AR246:17, AR297:17, AR236:17, AR285:16, AR291:16, AR275:16, AR238:16, AR272:16, AR174:15, AR296:15, AR274:15, AR232:15, AR286:14, AR282:14, AR230:13, AR181:13, AR211:13, AR250:13, AR226:13, AR239:13, AR287:12, AR227:12, AR283:12, AR247:12, AR237:12, AR289:12, AR215:12, AR316:12, AR204:12, AR210:12, AR176:12, AR180:12, AR293:12, AR231:11, AR270:11, AR300:11, AR299:11, AR262:11, AR175:11, AR185:11, AR243:11, AR196:11, AR221:11, AR258:10, AR269:10, AR200:10, AR313:10, AR089:10, AR253:10, AR183:10, AR294:10, AR268:9, AR061:9, AR104:9, AR173:9, AR234:9, AR199:9, AR096:9, AR179:9, AR218:8, AR178:8, AR233:8, AR257:8, AR219:8, AR255:8, AR266:8, AR290:8, AR267:8, AR188:8, AR228:8, AR189:7, AR055:7, AR060:7, AR203:7, AR191:7,

				AR256:7, AR039:7, AR260:6, AR182:6, AR190:6, L0804:2, H0521:2, L0021:1, H0617:1, H0623:1, L0648:1 and L0665:1.
	HDPSH53	1040056	386	
	HDPSH53	882768	387	
71	HDPSP01	1352280	81	AR169:8, AR235:5, AR265:5, AR180:4, AR176:4, AR161:4, AR163:4, AR311:4, AR162:4, AR269:3, AR165:3, AR172:3, AR171:3, AR222:3, AR166:3, AR183:3, AR225:3, AR168:3, AR282:3, AR224:3, AR245:3, AR272:3, AR196:3, AR223:3, AR297:3, AR221:2, AR182:2, AR298:2, AR164:2, AR261:2, AR257:2, AR170:2, AR270:2, AR289:2, AR216:2, AR173:2, AR191:2, AR214:2, AR287:2, AR296:2, AR242:2, AR228:2, AR247:2, AR295:2, AR255:2, AR192:2, AR240:2, AR174:2, AR227:2, AR053:2, AR275:2, AR203:2, AR266:2, AR288:2, AR215:2, AR277:2, AR239:2, AR291:2, AR264:2, AR263:2, AR285:2, AR230:2, AR190:2, AR310:2, AR189:2, AR274:1, AR181:1, AR286:1, AR179:1, AR226:1, AR246:1, AR231:1, AR178:1, AR175:1, AR238:1, AR233:1, AR273:1, AR290:1, AR243:1, AR200:1, AR293:1, AR294:1, AR309:1, AR284:1, AR312:1, AR313:1, AR234:1, AR229:1, AR061:1, AR300:1, AR217:1, AR268:1, AR292:1, AR089:1, AR262:1, L0769:6, L0751:5, L0752:5, H0617:4, L0806:4, L0731:4, L0771:3, L0774:3, H0370:2, S0314:2, H0551:2, H0059:2, L0792:2, L0745:2, L0750:2, L0777:2, S0444:1, H0728:1, S0132:1, H0550:1, H0392:1, H0586:1, H0427:1, H0618:1, H0052:1, H0545:1, H0123:1, H0620:1, S0051:1, H0135:1, H0100:1, H0494:1, L0800:1, L0764:1, L0804:1, L0775:1, L0805:1, L0783:1, L0809:1, L0666:1, L0665:1, H0684:1, S0328:1, H0521:1, H0555:1, H0478:1, L0743:1, L0747:1, L0779:1, L0780:1, L0755:1 and S0434:1.
	HDPSP01	689129	388	
72	HDPSP54	744440	82	AR263:53, AR207:53, AR214:51, AR169:41, AR224:40, AR222:38, AR223:37, AR195:36, AR235:32, AR217:31, AR212:31, AR168:30, AR172:30, AR311:29, AR053:28, AR192:28, AR196:28, AR171:27, AR198:27, AR213:27, AR221:27, AR161:26, AR264:26, AR252:26, AR162:25, AR170:25, AR210:25, AR245:24, AR033:23, AR225:23, AR216:23, AR163:22, AR089:22, AR261:22, AR215:21, AR271:21, AR177:21, AR181:21, AR104:21, AR295:20, AR218:20, AR236:19, AR193:19, AR191:19, AR211:19, AR197:18, AR185:18, AR055:18, AR219:18, AR201:18, AR240:18, AR165:17, AR316:17, AR166:17, AR299:17, AR164:17, AR060:17, AR253:17, AR174:16, AR242:16, AR288:16, AR199:16, AR205:16, AR246:15, AR282:15, AR039:15, AR238:15, AR308:15, AR229:15, AR175:14, AR188:14, AR285:14, AR297:14, AR254:14, AR189:14, AR232:14, AR277:13, AR300:13, AR287:13, AR243:13, AR230:13, AR312:13, AR291:13, AR286:12, AR204:12, AR250:12, AR226:12, AR173:12, AR200:12, AR239:12, AR176:12, AR274:11, AR296:11, AR096:11, AR309:11, AR203:11, AR231:11, AR270:11, AR247:11, AR293:11, AR190:11, AR283:10, AR258:10, AR267:10, AR234:10, AR289:10, AR262:10, AR178:10, AR268:10, AR227:10, AR313:10, AR180:10, AR237:10, AR179:9, AR257:9, AR182:9, AR269:9, AR255:9, AR233:9, AR260:9, AR061:9, AR183:9, AR290:8, AR275:8, AR272:8, AR266:8, AR294:7, AR256:7, AR228:6, L0740:8, L0662:3, L0659:3, L0663:3, S0422:2, L0646:2, L0766:2, L0439:2, L0779:2, H0171:1, S0624:1, S0110:1, S0360:1, H0411:1, H0455:1, S0474:1, H0510:1, S0438:1, L0637:1, L5565:1, L0771:1, L0773:1, L0794:1, L0804:1, L0787:1, L0665:1, L0438:1, H0521:1, S0406:1, L0754:1, L0755:1 and L0758:1.
	HDPSP54	502472	389	
73	HDPTD15	692917	83	AR214:32, AR223:30, AR222:27, AR224:27, AR225:24, AR169:24, AR165:22, AR164:22, AR221:22, AR215:22,

74	HDPW68	812737	84	<p>AR212:22, AR195:21, AR308:21, AR170:20, AR172:20, AR166:20, AR168:20, AR171:19, AR216:17, AR264:16, AR162:15, AR207:15, AR161:15, AR193:15, AR163:15, AR235:15, AR311:14, AR196:14, AR250:13, AR173:13, AR245:12, AR261:12, AR242:12, AR297:12, AR288:12, AR210:12, AR199:11, AR236:11, AR263:11, AR254:10, AR191:10, AR181:10, AR312:10, AR213:10, AR247:10, AR197:10, AR287:10, AR189:10, AR188:10, AR252:9, AR255:9, AR174:9, AR313:9, AR053:9, AR178:9, AR190:9, AR200:9, AR201:9, AR176:9, AR257:8, AR253:8, AR240:8, AR230:8, AR269:8, AR272:8, AR211:8, AR192:8, AR262:8, AR229:8, AR033:8, AR180:8, AR309:8, AR239:8, AR238:7, AR258:7, AR291:7, AR203:7, AR260:7, AR285:7, AR270:7, AR295:6, AR271:6, AR293:6, AR089:6, AR226:6, AR183:6, AR177:6, AR266:6, AR175:6, AR296:6, AR198:6, AR277:5, AR251:5, AR205:5, AR234:5, AR282:5, AR290:5, AR300:5, AR231:5, AR286:5, AR299:5, AR274:5, AR232:5, AR316:5, AR268:5, AR289:5, AR179:5, AR275:5, AR052:5, AR228:5, AR246:5, AR182:4, AR227:4, AR060:4, AR204:4, AR185:4, AR267:4, AR256:4, AR243:4, AR248:4, AR096:4, AR294:4, AR283:4, AR237:4, AR233:4, AR219:3, AR249:3, AR218:3, AR186:2, AR039:2, AR310:2, AR206:2, AR104:2, AR055:2, AR292:2, AR061:2, AR298:2, AR259:1, AR284:1, AR194:1 H0521:1</p> <p>AR253:15, AR052:14, AR213:11, AR184:11, AR230:11, AR228:9, AR170:9, AR250:8, AR168:8, AR254:8, AR225:6, AR297:6, AR053:6, AR251:5, AR267:5, AR248:5, AR268:5, AR221:5, AR096:5, AR214:5, AR238:5, AR178:5, AR249:5, AR216:5, AR173:5, AR239:5, AR236:5, AR166:5, AR182:4, AR161:4, AR162:4, AR217:4, AR269:4, AR282:4, AR163:4, AR224:4, AR222:4, AR237:4, AR296:4, AR257:4, AR263:4, AR244:4, AR227:4, AR258:4, AR252:4, AR291:4, AR229:4, AR219:4, AR287:4, AR290:4, AR275:4, AR264:4, AR183:4, AR175:4, AR223:4, AR199:4, AR308:4, AR171:3, AR194:3, AR246:3, AR277:3, AR260:3, AR288:3, AR240:3, AR274:3, AR191:3, AR284:3, AR243:3, AR312:3, AR293:3, AR179:3, AR233:3, AR300:3, AR261:3, AR218:3, AR165:3, AR061:3, AR231:3, AR033:3, AR298:3, AR316:3, AR164:3, AR181:3, AR255:3, AR270:3, AR189:3, AR313:3, AR309:3, AR234:2, AR186:2, AR247:2, AR195:2, AR285:2, AR232:2, AR292:2, AR185:2, AR226:2, AR180:2, AR299:2, AR289:2, AR271:2, AR193:2, AR089:2, AR203:2, AR311:2, AR060:2, AR172:2, AR310:2, AR215:2, AR177:2, AR266:2, AR262:2, AR272:2, AR188:2, AR196:2, AR169:1, AR212:1, AR210:1, AR055:1, AR283:1, AR190:1, AR241:1, AR295:1, AR286:1, AR201:1, AR294:1, AR104:1, AR256:1, AR205:1, AR039:1 H0677:47, H0521:14, H0295:3, H0587:3, H0556:2, H0656:2, H0638:2, H0411:2, S0002:2, L0776:2, L0659:2, L0809:2, H0670:2, H0522:2, S0404:2, L0743:2, L0744:2, L0740:2, L0731:2, S0134:1, H0657:1, H0254:1, S0476:1, S0278:1, H0486:1, H0575:1, H0606:1, H0135:1, H0561:1, S0438:1, L0761:1, L0768:1, L0655:1, L2261:1, S0374:1, H0690:1, H0435:1, H0658:1, H0696:1, H0678:1, L0779:1, L0752:1, H0445:1, S0434:1 and S0436:1.</p>
75	HDPWN93	992925	85	<p>AR313:5, AR089:5, AR207:5, AR096:5, AR219:5, AR277:4, AR299:4, AR162:4, AR161:4, AR165:4, AR274:4, AR104:4, AR193:4, AR164:4, AR240:4, AR166:4, AR163:4, AR264:4, AR282:4, AR250:4, AR316:4, AR218:3, AR215:3, AR185:3, AR178:3, AR196:3, AR311:3, AR216:3, AR039:3, AR300:3, AR055:3, AR225:3, AR245:3, AR312:3, AR060:3, AR291:3, AR195:3, AR188:3, AR198:3, AR269:2, AR257:2, AR308:2, AR285:2, AR270:2, AR297:2, AR247:2, AR288:2, AR180:2, AR221:2, AR223:2, AR182:2, AR266:2, AR243:2, AR201:2, AR283:2, AR213:2, AR232:2, AR200:2, AR224:2, AR212:2, AR293:2, AR173:2, AR191:2, AR262:2, AR053:2, AR229:2, AR189:2, AR275:2, AR181:2, AR203:2, AR237:2, AR217:2, AR226:2, AR205:2, AR268:2, AR287:2, AR214:2, AR255:2, AR171:2, AR290:2, AR272:2, AR286:2, AR309:2, AR174:2, AR246:2, AR271:2, AR289:2, AR227:2, AR296:2, AR238:1, AR175:1, AR231:1, AR261:1, AR256:1, AR294:1, AR179:1, AR199:1, AR234:1, AR190:1, AR295:1, AR233:1, AR177:1, AR033:1, AR267:1, AR239:1 H0618:17, H0253:16,</p>

				L0758:7, L0659:6, H0052:5, L0439:4, S0354:3, S0358:3, H0046:3, S0150:3, L0794:3, L0809:3, L0666:3, L0665:3, S0624:2, S0356:2, S0442:2, T0060:2, H0038:2, H0063:2, H0412:2, L0771:2, S0152:2, L0754:2, L0747:2, L0601:2, H0543:2, H0255:1, H0589:1, H0580:1, S0045:1, S0222:1, H0409:1, H0333:1, L0021:1, T0082:1, H0706:1, H0590:1, S0010:1, H0194:1, H0251:1, H0309:1, H0263:1, H0597:1, H0545:1, T0010:1, S0340:1, H0622:1, H0417:1, H0030:1, H0135:1, H0616:1, H0087:1, H0494:1, H0131:1, H0207:1, H0646:1, L0763:1, L0638:1, L3905:1, L0761:1, L0800:1, L0764:1, L0768:1, L0766:1, L0803:1, L0650:1, L0540:1, L0384:1, L5622:1, L0792:1, L0663:1, H0435:1, H0648:1, H0672:1, H0521:1, S0044:1, H0555:1, L0743:1, L0740:1, L0759:1, S0436:1, H0423:1 and H0506:1.
	HDPWN93	887914	390	
	HDPWN93	905983	391	
76	HDPXY01	879048	86	AR207:8, AR165:8, AR245:8, AR214:8, AR164:8, AR275:8, AR163:8, AR162:8, AR263:8, AR169:8, AR195:7, AR166:7, AR274:7, AR161:7, AR309:7, AR272:7, AR170:7, AR212:7, AR308:6, AR311:6, AR198:6, AR089:6, AR060:6, AR197:6, AR192:6, AR264:6, AR039:6, AR177:6, AR243:6, AR223:6, AR235:5, AR213:5, AR096:5, AR282:5, AR168:5, AR313:5, AR222:5, AR240:5, AR204:5, AR217:5, AR261:5, AR193:4, AR312:4, AR104:4, AR224:4, AR246:4, AR176:4, AR055:4, AR299:4, AR171:4, AR283:4, AR271:4, AR277:4, AR174:4, AR316:4, AR178:4, AR295:4, AR053:4, AR205:4, AR185:4, AR237:4, AR033:4, AR247:4, AR300:4, AR266:4, AR257:3, AR270:3, AR181:3, AR293:3, AR233:3, AR250:3, AR225:3, AR288:3, AR291:3, AR216:3, AR296:3, AR201:3, AR286:3, AR285:3, AR268:3, AR228:3, AR297:3, AR254:3, AR294:3, AR252:3, AR269:3, AR229:3, AR287:3, AR232:3, AR061:3, AR234:3, AR289:3, AR183:3, AR227:3, AR231:3, AR211:3, AR267:3, AR230:3, AR255:3, AR236:3, AR239:2, AR226:2, AR179:2, AR200:2, AR182:2, AR262:2, AR175:2, AR203:2, AR180:2, AR290:2, AR196:2, AR199:2, AR189:2, AR258:2, AR173:2, AR210:2, AR191:2, AR238:1, AR190:1, AR253:1, AR215:1, AR172:1, L0646:4, L0666:4, L0662:3, L0749:3, H0661:2, H0620:2, H0617:2, H0144:2, L0777:2, L0731:2, H0170:1, S0360:1, S0046:1, L0717:1, H0013:1, H0052:1, H0039:1, H0622:1, H0606:1, H0673:1, L0769:1, L0796:1, L5565:1, L5566:1, L0764:1, L0648:1, L0381:1, L0805:1, L0659:1, L0789:1, L0792:1, L0663:1, L0665:1, H0689:1, H0660:1, H0648:1, H0539:1, H0521:1, L0779:1 and L0603:1.
	HDPXY01	904768	392	
	HDPXY01	895716	393	
	HDPXY01	895715	394	
77	HDTBD53	972757	87	AR242:4, AR246:4, AR250:3, AR263:3, AR195:3, AR272:3, AR264:3, AR170:3, AR282:3, AR215:3, AR163:3, AR162:3, AR235:3, AR089:3, AR198:3, AR165:3, AR161:3, AR197:2, AR266:2, AR053:2, AR169:2, AR212:2, AR205:2, AR285:2, AR243:2, AR312:2, AR240:2, AR270:2, AR221:2, AR296:2, AR213:2, AR178:2, AR216:2, AR261:2, AR214:2, AR299:2, AR247:2, AR060:2, AR164:2, AR267:1, AR237:1, AR183:1, AR271:1, AR172:1, AR286:1, AR179:1, AR166:1, AR291:1, AR311:1, AR316:1, AR313:1, AR288:1, AR171:1, AR188:1, AR268:1, AR269:1, AR308:1, AR173:1, AR287:1, AR297:1, AR033:1, L0439:17, L0731:17, L0747:16, L0766:13, S0360:8, L0659:8, L0754:8, H0553:7, L0663:7, L0749:7, L0758:7, H0486:6, S0192:6, L0662:5, L0105:4, H0644:4, L0438:4, H0547:4, L0748:4, L0751:4, L0752:4, L0755:4, L0599:4, H0542:4, H0556:3, H0662:3, S0420:3, H0599:3, H0050:3, H0266:3, H0622:3, H0135:3, H0551:3, H0529:3, L0783:3, H0519:3, H0670:3, H0521:3, H0555:3, L0750:3, H0717:2, H0663:2, H0638:2, S0476:2, H0592:2, H0013:2,

				<p>H0598:2, H0090:2, H0038:2, H0040:2, H0494:2, S0440:2, S0344:2, L0638:2, L0761:2, L0764:2, L0649:2, L0774:2, L0775:2, L0657:2, L0787:2, L0666:2, H0144:2, L0565:2, H0659:2, S0044:2, L0759:2, S0194:2, H0422:2, H0170:1, S0040:1, H0713:1, T0049:1, S0134:1, S0110:1, H0402:1, S0356:1, S0442:1, S0354:1, S0376:1, S0444:1, S0410:1, S0300:1, H0369:1, H0261:1, H0549:1, H0550:1, S0222:1, H0586:1, H0587:1, T0060:1, H0244:1, S0280:1, L0021:1, H0025:1, H0421:1, H0309:1, L0040:1, H0544:1, L0471:1, H0024:1, L0163:1, S0388:1, H0188:1, H0687:1, S0003:1, H0615:1, H0039:1, H0030:1, H0674:1, H0212:1, H0068:1, S0366:1, H0163:1, H0591:1, H0634:1, H0616:1, H0412:1, H0413:1, H0623:1, H0561:1, H0641:1, H0647:1, H0652:1, S0144:1, S0142:1, S0002:1, L0369:1, L0769:1, L5575:1, L5565:1, L3905:1, L5566:1, L0772:1, L0800:1, L0771:1, L0521:1, L0768:1, L0794:1, L0381:1, L0806:1, L0654:1, L0655:1, L0636:1, L0384:1, L0809:1, L0528:1, L0788:1, L0789:1, S0126:1, H0689:1, H0682:1, H0658:1, H0648:1, S0328:1, H0539:1, H0696:1, S0406:1, L0740:1, L0757:1, L0603:1, H0665:1, S0196:1, H0423:1 and S0460:1.</p>
	HDTBD53	906342	395	
78	HDTBV77	785879	88	<p>AR183:7, AR184:5, AR269:4, AR207:4, AR245:4, AR270:4, AR182:4, AR214:4, AR172:4, AR223:4, AR263:3, AR272:3, AR180:3, AR176:3, AR268:3, AR309:3, AR175:3, AR164:3, AR282:3, AR166:3, AR222:3, AR225:3, AR216:3, AR308:3, AR052:3, AR247:3, AR289:3, AR165:3, AR266:2, AR312:2, AR162:2, AR169:2, AR291:2, AR297:2, AR284:2, AR193:2, AR205:2, AR257:2, AR296:2, AR267:2, AR195:2, AR265:2, AR171:2, AR217:2, AR298:2, AR246:2, AR202:2, AR264:2, AR229:2, AR238:2, AR277:2, AR213:2, AR178:2, AR230:2, AR313:2, AR243:2, AR288:2, AR311:2, AR161:2, AR235:2, AR253:2, AR168:2, AR290:2, AR294:2, AR215:2, AR224:2, AR286:2, AR181:2, AR212:2, AR287:2, AR173:2, AR221:2, AR039:2, AR163:2, AR200:2, AR061:2, AR170:2, AR274:2, AR053:2, AR089:2, AR236:2, AR228:2, AR293:2, AR199:2, AR310:1, AR196:1, AR174:1, AR300:1, AR240:1, AR096:1, AR231:1, AR271:1, AR201:1, AR259:1, AR177:1, AR060:1, AR261:1, AR237:1, AR316:1, AR179:1, AR192:1, AR262:1, AR190:1, AR234:1, AR295:1, AR285:1, AR239:1, AR258:1, AR299:1, AR204:1, AR233:1, AR197:1, AR211:1, AR254:1 H0553:3, H0717:2, H0486:1, H0427:1, H0081:1, H0014:1, S0388:1, H0112:1, H0030:1, H0031:1, H0644:1, H0488:1, H0519:1, L0759:1, H0543:1 and H0506:1.</p>
79	HDTDQ23	1306984	89	<p>AR200:16, AR311:15, AR272:13, AR264:12, AR165:11, AR164:11, AR188:11, AR312:10, AR166:10, AR211:10, AR104:10, AR282:10, AR191:10, AR246:9, AR096:9, AR210:9, AR189:9, AR162:9, AR199:9, AR161:9, AR163:9, AR274:9, AR196:9, AR308:8, AR174:8, AR089:8, AR240:8, AR309:7, AR175:7, AR218:7, AR219:7, AR190:7, AR295:7, AR203:7, AR316:7, AR299:7, AR313:6, AR285:6, AR247:6, AR185:6, AR263:6, AR183:6, AR245:6, AR060:6, AR181:6, AR212:6, AR039:6, AR053:5, AR288:5, AR269:5, AR268:5, AR243:5, AR291:5, AR290:5, AR033:5, AR173:5, AR238:5, AR267:5, AR231:5, AR176:5, AR271:5, AR300:4, AR237:4, AR205:4, AR266:4, AR177:4, AR182:4, AR223:4, AR270:4, AR296:4, AR213:4, AR277:4, AR229:4, AR178:4, AR261:4, AR171:4, AR297:3, AR195:3, AR287:3, AR239:3, AR232:3, AR230:3, AR255:3, AR234:3, AR226:3, AR257:3, AR286:3, AR293:3, AR258:3, AR236:3, AR193:3, AR262:3, AR168:3, AR180:3, AR252:3, AR289:3, AR221:3, AR225:3, AR250:3, AR179:3, AR294:3, AR216:2, AR201:2, AR198:2, AR233:2, AR061:2, AR172:2, AR222:2, AR055:2, AR170:2, AR215:2, AR256:2, AR228:2, AR227:2, AR224:2, AR214:1, AR283:1, AR197:1, AR260:1, AR235:1, AR253:1 L0659:5, L0666:4, L0665:4, L2634:3, L0471:2, H0031:2, L0646:2, L0794:2, L0766:2, L0657:2, H0265:1, H0685:1, L0785:1, S0356:1, S0376:1, S0360:1, H0742:1, S0007:1, H0747:1, H0486:1, L2540:1, H0069:1, H0025:1, H0457:1, H0252:1, H0428:1, L0055:1, H0038:1, S0344:1, L0625:1, L0761:1, L0800:1, L0553:1, L0649:1, L0803:1, L0650:1, L0606:1, L3872:1, L0791:1, L0663:1, L0664:1, H0684:1, H0435:1,</p>

					H0648:1, S0380:1, L3832:1, L0749:1, L0786:1, L0780:1, L0755:1, L0759:1, L0596:1, L0601:1, H0543:1 and H0422:1.
				396	
				397	
80	HE2DE47	619852		90	AR224:15, AR223:15, AR217:12, AR214:12, AR222:11, AR225:11, AR172:9, AR216:9, AR215:9, AR221:8, AR171:7, AR162:7, AR168:7, AR161:7, AR264:7, AR196:7, AR176:6, AR163:6, AR165:6, AR263:6, AR246:6, AR164:6, AR309:6, AR166:6, AR193:6, AR170:6, AR313:5, AR096:5, AR089:5, AR250:5, AR169:5, AR242:5, AR312:5, AR261:5, AR254:5, AR295:5, AR245:5, AR180:5, AR189:5, AR271:5, AR191:5, AR291:5, AR274:5, AR177:5, AR316:4, AR178:4, AR201:4, AR272:4, AR253:4, AR267:4, AR308:4, AR270:4, AR282:4, AR229:4, AR174:4, AR175:4, AR188:4, AR268:4, AR190:4, AR288:4, AR183:4, AR060:4, AR297:4, AR181:4, AR192:4, AR173:4, AR255:4, AR195:4, AR296:4, AR179:4, AR285:4, AR311:4, AR199:4, AR197:4, AR205:4, AR231:4, AR237:4, AR243:4, AR239:4, AR299:4, AR300:3, AR236:3, AR182:3, AR257:3, AR212:3, AR269:3, AR218:3, AR290:3, AR238:3, AR275:3, AR262:3, AR203:3, AR198:3, AR266:3, AR053:3, AR287:3, AR210:3, AR228:3, AR293:3, AR247:3, AR213:3, AR252:3, AR240:3, AR219:3, AR185:3, AR226:3, AR200:3, AR235:3, AR233:3, AR204:3, AR207:3, AR258:3, AR286:3, AR039:3, AR033:2, AR260:2, AR283:2, AR232:2, AR277:2, AR230:2, AR294:2, AR289:2, AR061:2, AR234:2, AR055:2, AR227:2, AR256:2, AR211:2, AR104:2, L0439:10, L0747:9, L0766:8, L0770:5, L0666:4, L0754:4, L0777:4, L0659:3, L0783:3, S0126:3, H0543:3, L0483:2, H0264:2, L0764:2, L0662:2, L0768:2, L0665:2, L0438:2, L0748:2, L0756:2, L0752:2, L0755:2, L0758:2, L0759:2, H0170:1, T0049:1, H0341:1, S0029:1, H0661:1, H0306:1, S0408:1, H0580:1, S0045:1, H0431:1, H0455:1, H0586:1, L0622:1, H0575:1, H0004:1, H0581:1, H0421:1, H0263:1, H0569:1, H0015:1, S0051:1, S0003:1, H0615:1, L0142:1, H0090:1, H0625:1, S0422:1, L0598:1, H0529:1, L0769:1, L0667:1, L0646:1, L0774:1, L0375:1, L0657:1, L0519:1, L0664:1, H0144:1, S0374:1, H0547:1, H0435:1, H0666:1, S0380:1, H0521:1, S0404:1, H0555:1, L0749:1, L0750:1, L0779:1, L0592:1, L0608:1, S0026:1 and H0542:1.
				398	
81	HE2DE47 HE2EB74	382025 513662		91	AR196:12, AR161:8, AR162:8, AR163:8, AR285:6, AR165:6, AR164:6, AR243:6, AR166:6, AR232:6, AR287:6, AR188:6, AR269:5, AR261:5, AR295:5, AR174:5, AR291:5, AR226:5, AR257:5, AR233:5, AR171:5, AR236:5, AR191:4, AR264:4, AR263:4, AR266:4, AR296:4, AR182:4, AR275:4, AR288:4, AR286:4, AR178:4, AR255:4, AR176:4, AR258:4, AR060:4, AR089:4, AR299:4, AR308:4, AR238:4, AR309:4, AR175:4, AR104:4, AR311:4, AR297:4, AR239:4, AR260:4, AR179:3, AR177:3, AR274:3, AR181:3, AR237:3, AR256:3, AR300:3, AR289:3, AR185:3, AR096:3, AR123:3, AR172:3, AR235:3, AR189:3, AR224:3, AR262:3, AR272:3, AR270:3, AR169:3, AR316:3, AR203:3, AR234:3, AR228:3, AR055:3, AR212:3, AR290:3, AR215:3, AR190:3, AR268:3, AR200:3, AR313:3, AR293:3, AR053:3, AR267:3, AR173:2, AR170:2, AR180:2, AR294:2, AR229:2, AR230:2, AR240:2, AR227:2, AR202:2, AR282:2, AR199:2, AR271:2, AR219:2, AR250:2, AR168:2, AR061:2, AR183:2, AR033:2, AR277:2, AR217:2, AR222:2, AR223:2, AR283:2, AR213:1, AR216:1, AR193:1, H0170:1, L0717:1, H0586:1, H0486:1, L0770:1, L0637:1, L0521:1, L0766:1, L0666:1, H0658:1, L0779:1, L0731:1, L0759:1 and H0543:1.
				92	
82	HE2NV57	740750			AR235:6, AR282:4, AR309:4, AR171:4, AR270:4, AR178:3, AR272:3, AR245:3, AR269:3, AR291:3, AR169:3, AR268:3, AR213:3, AR215:3, AR254:3, AR267:3, AR289:3, AR274:3, AR236:3, AR175:3, AR053:3, AR228:3, AR261:3, AR242:2, AR161:2, AR181:2, AR308:2, AR300:2, AR257:2, AR238:2, AR182:2, AR266:2, AR204:2, AR237:2, AR170:2, AR288:2,

83	HE2PH36	570903	93	<p>AR290:2, AR188:2, AR297:2, AR168:2, AR262:2, AR162:2, AR163:2, AR296:2, AR233:2, AR210:2, AR285:2, AR295:2, AR264:2, AR293:2, AR165:2, AR229:2, AR201:2, AR189:2, AR250:2, AR164:2, AR221:2, AR195:2, AR222:2, AR223:2, AR239:2, AR231:2, AR294:2, AR166:2, AR191:2, AR179:2, AR255:2, AR271:2, AR287:2, AR212:2, AR234:2, AR299:2, AR225:2, AR203:2, AR246:2, AR200:2, AR205:1, AR089:1, AR173:1, AR176:1, AR240:1, AR286:1, AR193:1, AR199:1, AR258:1, AR196:1, AR232:1, AR096:1, AR243:1, AR312:1, AR185:1, AR061:1, AR183:1, AR230:1, AR060:1 S0414:3, L0805:3, S0412:3, H0457:2, L0756:2, H0170:1, H0645:1, H0455:1, H0421:1, H0100:1, L0803:1, S0052:1, S0374:1, H0696:1 and L0743:1.</p> <p>AR263:75, AR171:60, AR309:59, AR264:59, AR252:58, AR168:57, AR223:54, AR169:49, AR308:46, AR311:44, AR214:44, AR053:42, AR172:38, AR312:37, AR170:37, AR225:36, AR246:36, AR212:34, AR272:33, AR217:32, AR197:32, AR245:32, AR222:31, AR213:30, AR207:30, AR198:27, AR096:27, AR196:26, AR195:26, AR313:25, AR205:25, AR216:24, AR201:23, AR218:22, AR215:21, AR254:21, AR235:21, AR165:20, AR261:20, AR253:20, AR274:20, AR243:20, AR221:19, AR164:19, AR316:19, AR275:19, AR250:19, AR192:18, AR166:18, AR161:18, AR162:18, AR177:18, AR163:18, AR271:18, AR174:17, AR039:17, AR200:17, AR089:17, AR240:16, AR296:16, AR219:16, AR188:16, AR193:16, AR033:15, AR295:15, AR185:14, AR189:14, AR229:14, AR060:14, AR299:13, AR236:13, AR203:13, AR242:13, AR183:13, AR190:13, AR210:12, AR104:12, AR282:12, AR178:12, AR300:12, AR181:12, AR175:12, AR268:12, AR199:12, AR226:11, AR211:11, AR191:11, AR269:11, AR173:11, AR204:10, AR277:10, AR270:10, AR180:10, AR297:10, AR247:10, AR288:10, AR290:9, AR179:9, AR285:9, AR291:9, AR176:9, AR262:9, AR239:9, AR283:9, AR238:8, AR182:8, AR267:8, AR237:8, AR055:8, AR287:8, AR257:8, AR289:8, AR231:7, AR293:7, AR258:7, AR255:7, AR232:7, AR286:7, AR230:7, AR234:7, AR256:7, AR266:6, AR233:6, AR227:6, AR294:6, AR228:5, AR260:5, AR061:4 H0171:1, S0114:1 and S0356:1.</p> <p>AR180:17, AR181:15, AR178:15, AR096:14, AR182:13, AR179:13, AR246:13, AR175:13, AR191:12, AR183:12, AR190:12, AR240:11, AR268:10, AR270:10, AR174:10, AR269:10, AR173:9, AR243:9, AR176:9, AR060:8, AR185:7, AR255:7, AR189:7, AR201:7, AR192:7, AR039:7, AR193:7, AR197:7, AR257:7, AR055:6, AR295:6, AR290:6, AR296:6, AR299:6, AR285:6, AR288:6, AR207:5, AR291:5, AR188:5, AR254:5, AR287:5, AR297:5, AR218:5, AR294:5, AR316:5, AR235:5, AR293:5, AR242:4, AR264:4, AR245:4, AR089:4, AR236:4, AR177:4, AR195:4, AR161:4, AR198:4, AR271:4, AR162:4, AR163:4, AR204:4, AR205:4, AR165:4, AR275:4, AR196:4, AR267:4, AR262:4, AR164:4, AR260:4, AR286:3, AR261:3, AR300:3, AR104:3, AR289:3, AR169:3, AR313:3, AR168:3, AR033:3, AR266:3, AR238:3, AR253:3, AR247:3, AR222:3, AR258:3, AR233:3, AR228:3, AR200:3, AR312:3, AR166:3, AR229:2, AR224:2, AR272:2, AR199:2, AR231:2, AR250:2, AR203:2, AR061:2, AR263:2, AR237:2, AR053:2, AR219:2, AR226:2, AR230:2, AR282:2, AR277:2, AR221:2, AR274:2, AR213:2, AR283:2, AR232:2, AR217:2, AR309:2, AR227:2, AR239:2, AR214:2, AR256:2, AR234:2, AR212:2, AR308:2, AR171:1, AR216:1, AR225:1, AR252:1, AR170:1 L0779:8, L0770:7, L0731:7, L0662:6, L0803:5, L0599:5, L0758:4, H0739:3, H0624:3, H0486:3, H0615:3, L0748:3, L0750:3, S0222:2, H0575:2, H0050:2, H0031:2, H0553:2, S0036:2, H0038:2, S0422:2, L0804:2, L0774:2, L0775:2, L0647:2, L0438:2, L0742:2, L0743:2, L0747:2, L0777:2, L0605:2, L0485:2, H0171:1, H0717:1, S0442:1, H0208:1, H0411:1, H0586:1, H0587:1, L3655:1, H0013:1, H0156:1, H0108:1, H0581:1, S0049:1, H0194:1, H0572:1, H0123:1, L0471:1, H0024:1, H0373:1, S0051:1, S6028:1, H0188:1, H0644:1, H0628:1, H0383:1, H0316:1, T0067:1, L0768:1, L0794:1, L0375:1, L0806:1, L0659:1, L0532:1,</p>
84	HE8DS15	847060	94	<p>AR180:17, AR181:15, AR178:15, AR096:14, AR182:13, AR179:13, AR246:13, AR175:13, AR191:12, AR183:12, AR190:12, AR240:11, AR268:10, AR270:10, AR174:10, AR269:10, AR173:9, AR243:9, AR176:9, AR060:8, AR185:7, AR255:7, AR189:7, AR201:7, AR192:7, AR039:7, AR193:7, AR197:7, AR257:7, AR055:6, AR295:6, AR290:6, AR296:6, AR299:6, AR285:6, AR288:6, AR207:5, AR291:5, AR188:5, AR254:5, AR287:5, AR297:5, AR218:5, AR294:5, AR316:5, AR235:5, AR293:5, AR242:4, AR264:4, AR245:4, AR089:4, AR236:4, AR177:4, AR195:4, AR161:4, AR198:4, AR271:4, AR162:4, AR163:4, AR204:4, AR205:4, AR165:4, AR275:4, AR196:4, AR267:4, AR262:4, AR164:4, AR260:4, AR286:3, AR261:3, AR300:3, AR104:3, AR289:3, AR169:3, AR313:3, AR168:3, AR033:3, AR266:3, AR238:3, AR253:3, AR247:3, AR222:3, AR258:3, AR233:3, AR228:3, AR200:3, AR312:3, AR166:3, AR229:2, AR224:2, AR272:2, AR199:2, AR231:2, AR250:2, AR203:2, AR061:2, AR263:2, AR237:2, AR053:2, AR219:2, AR226:2, AR230:2, AR282:2, AR277:2, AR221:2, AR274:2, AR213:2, AR283:2, AR232:2, AR217:2, AR309:2, AR227:2, AR239:2, AR214:2, AR256:2, AR234:2, AR212:2, AR308:2, AR171:1, AR216:1, AR225:1, AR252:1, AR170:1 L0779:8, L0770:7, L0731:7, L0662:6, L0803:5, L0599:5, L0758:4, H0739:3, H0624:3, H0486:3, H0615:3, L0748:3, L0750:3, S0222:2, H0575:2, H0050:2, H0031:2, H0553:2, S0036:2, H0038:2, S0422:2, L0804:2, L0774:2, L0775:2, L0647:2, L0438:2, L0742:2, L0743:2, L0747:2, L0777:2, L0605:2, L0485:2, H0171:1, H0717:1, S0442:1, H0208:1, H0411:1, H0586:1, H0587:1, L3655:1, H0013:1, H0156:1, H0108:1, H0581:1, S0049:1, H0194:1, H0572:1, H0123:1, L0471:1, H0024:1, H0373:1, S0051:1, S6028:1, H0188:1, H0644:1, H0628:1, H0383:1, H0316:1, T0067:1, L0768:1, L0794:1, L0375:1, L0806:1, L0659:1, L0532:1,</p>

85	HE9CP41	560625	95	L0665:1, H0144:1, H0691:1, S0126:1, H0660:1, H0648:1, S0328:1, S0378:1, S0380:1, H0436:1, S0028:1, L0749:1, L0756:1, L0759:1, H0444:1, S0242:1 and H0352:1.
86	HE9DG49	1299935	96	AR170:5, AR223:3, AR225:3, AR168:2, AR266:2, AR252:2, AR309:2, AR264:2, AR221:2, AR243:2, AR224:2, AR060:1, AR183:1, AR232:1, AR299:1, AR269:1, AR213:1, AR199:1, AR296:1, AR277:1, AR282:1, AR311:1 H0421:1 and H0144:1.
				AR223:36, AR214:32, AR225:26, AR299:18, AR215:15, AR216:15, AR310:15, AR312:14, AR281:13, AR280:13, AR265:12, AR309:12, AR277:12, AR282:12, AR314:11, AR300:11, AR263:11, AR052:11, AR315:11, AR217:10, AR053:10, AR246:9, AR218:9, AR219:9, AR241:9, AR231:9, AR205:8, AR168:8, AR264:8, AR308:8, AR268:8, AR206:8, AR186:8, AR244:7, AR290:7, AR275:7, AR172:7, AR311:7, AR169:7, AR267:7, AR210:7, AR161:7, AR162:7, AR096:7, AR171:6, AR163:6, AR165:6, AR089:6, AR247:6, AR164:6, AR273:6, AR202:6, AR271:6, AR201:6, AR194:6, AR213:6, AR166:6, AR192:5, AR170:5, AR198:5, AR061:5, AR269:5, AR195:5, AR183:5, AR242:5, AR224:5, AR212:5, AR184:5, AR204:5, AR313:5, AR238:5, AR316:5, AR221:5, AR243:5, AR197:4, AR270:4, AR207:4, AR245:4, AR234:4, AR222:4, AR249:4, AR251:4, AR193:4, AR254:4, AR228:4, AR235:4, AR176:4, AR240:4, AR232:4, AR173:4, AR181:4, AR229:4, AR175:4, AR237:4, AR189:4, AR185:3, AR211:3, AR039:3, AR177:3, AR055:3, AR230:3, AR253:3, AR188:3, AR233:3, AR292:3, AR033:3, AR200:3, AR266:3, AR261:3, AR199:3, AR180:3, AR203:3, AR272:3, AR060:3, AR274:3, AR182:3, AR196:3, AR239:3, AR226:2, AR236:2, AR174:2, AR295:2, AR190:2, AR191:2, AR289:2, AR257:2, AR178:2, AR227:2, AR293:2, AR252:2, AR298:2, AR291:2, AR250:2, AR179:2, AR294:2, AR283:2, AR262:2, AR256:2, AR287:2, AR259:2, AR285:2, AR104:1, AR258:1, AR297:1, AR284:1, AR288:1, AR296:1, AR255:1 L0740:10, L0755:7, H0556:4, H0251:4, S0358:3, L0766:3, S0420:2, S0444:2, S0408:2, L0483:2, H0413:2, S0440:2, L0772:2, L0764:2, L0768:2, L0775:2, L0743:2, L0747:2, H0218:1, S0040:1, S0212:1, S0442:1, S0360:1, S0046:1, S0476:1, H0549:1, H0036:1, H0046:1, H0687:1, H0646:1, L0369:1, L0770:1, L0363:1, L0649:1, L5568:1, L0774:1, L0806:1, L0783:1, L0791:1, L0792:1, L4501:1, L0666:1, L0663:1, L0665:1, H0144:1, H0726:1, H0658:1, S0380:1, H0752:1, H0134:1, S0028:1, L0754:1, L0731:1, L0757:1, H0445:1, H0343:1, S0011:1, H0668:1 and S0276:1.
	HE9DG49	658678	399	
	HE9DG49	382000	400	
87	HE9HY07	420063	97	AR172:5, AR201:4, AR266:4, AR170:4, AR269:4, AR182:4, AR168:4, AR039:4, AR176:4, AR228:4, AR169:4, AR236:4, AR254:4, AR165:4, AR257:3, AR164:3, AR233:3, AR253:3, AR191:3, AR166:3, AR183:3, AR181:3, AR229:3, AR264:3, AR268:3, AR178:3, AR231:3, AR237:3, AR270:3, AR180:3, AR283:3, AR179:3, AR053:3, AR197:3, AR190:3, AR096:3, AR060:3, AR239:3, AR055:3, AR177:3, AR238:3, AR255:3, AR193:3, AR312:3, AR061:3, AR250:3, AR235:3, AR267:3, AR230:3, AR185:3, AR288:2, AR175:2, AR293:2, AR196:2, AR262:2, AR246:2, AR316:2, AR287:2, AR033:2, AR294:2, AR089:2, AR247:2, AR313:2, AR173:2, AR243:2, AR300:2, AR234:2, AR271:2, AR290:2, AR199:2, AR297:2, AR277:2, AR286:2, AR224:2, AR223:2, AR309:2, AR289:2, AR200:2, AR174:2, AR296:2, AR232:2, AR163:2, AR226:2, AR211:2, AR285:2, AR222:2, AR299:2, AR261:2, AR189:2, AR205:2, AR162:2, AR203:2, AR295:2, AR240:2, AR227:2, AR171:2, AR260:1, AR214:1, AR216:1, AR311:1, AR212:1, AR188:1, AR219:1, AR291:1, AR221:1, AR272:1, AR308:1, AR161:1, AR245:1 H0615:1 and H0144:1.
88	HEBEJ18	701802	98	AR281:38, AR280:36, AR314:34, AR315:33, AR251:25, AR186:13, AR184:12, AR265:11, AR261:11, AR235:11,

			AR310:11, AR296:11, AR214:10, AR168:10, AR292:10, AR295:10, AR171:9, AR217:9, AR298:9, AR248:9, AR244:9, AR252:9, AR309:8, AR283:8, AR169:8, AR218:8, AR263:8, AR253:8, AR264:8, AR225:8, AR223:8, AR224:8, AR216:8, AR284:7, AR170:7, AR272:7, AR245:7, AR061:7, AR221:7, AR055:7, AR210:7, AR291:7, AR246:6, AR285:6, AR273:6, AR290:6, AR219:6, AR299:6, AR200:6, AR247:6, AR266:6, AR182:6, AR211:6, AR286:6, AR312:6, AR195:6, AR297:6, AR199:6, AR313:6, AR269:5, AR249:5, AR229:5, AR222:5, AR180:5, AR033:5, AR183:5, AR096:5, AR188:5, AR162:5, AR270:5, AR289:5, AR267:5, AR238:5, AR236:5, AR196:5, AR161:5, AR163:5, AR311:5, AR271:5, AR185:5, AR215:5, AR308:4, AR316:4, AR259:4, AR165:4, AR089:4, AR189:4, AR164:4, AR177:4, AR282:4, AR257:4, AR166:4, AR288:4, AR176:4, AR268:4, AR190:4, AR294:4, AR300:4, AR240:4, AR052:4, AR172:4, AR060:4, AR250:3, AR206:3, AR178:3, AR181:3, AR256:3, AR205:3, AR277:3, AR262:3, AR175:3, AR039:3, AR173:3, AR287:3, AR226:3, AR255:3, AR197:3, AR258:3, AR275:3, AR174:3, AR191:3, AR198:3, AR293:3, AR201:3, AR207:3, AR230:3, AR202:3, AR234:2, AR053:2, AR233:2, AR274:2, AR179:2, AR203:2, AR212:2, AR227:2, AR231:2, AR213:2, AR239:2, AR260:2, AR192:2, AR243:2, AR228:2, AR104:2, AR204:1, AR237:1, AR232:1, AR241:1, H0556:493, H0265:241, H0046:105, L0601:101, H0584:98, H0521:85, H0543:75, S0027:57, H0542:57, L0591:52, S0418:47, S0420:47, S3014:47, H0559:46, L0593:44, L0596:43, S0126:41, H0266:40, S0046:37, S0152:37, H0052:36, H0617:35, H0056:34, H0134:34, S0040:32, S0212:32, L0595:32, H0069:31, H0561:31, H0286:30, H0585:29, S0132:28, H0083:28, L0666:27, S0278:25, H0657:24, H0341:23, H0623:23, H0494:23, H0575:22, L0592:22, S0045:21, H0666:21, L0588:21, S0344:20, L0663:20, L0751:20, H0090:19, L0775:19, S0194:19, H0125:18, H0618:18, H0135:18, H0318:17, S0022:17, H0424:17, T0042:17, L0659:17, L0748:17, S0011:17, S0192:17, H0013:16, H0040:16, S0360:15, T0040:15, H0292:15, H0063:15, H0136:15, H0167:14, H0599:14, H0124:14, H0087:14, L0664:14, H0144:14, H0519:14, H0658:14, H0518:14, S0037:14, H0250:13, H0253:13, H0457:13, S0144:13, L0653:13, L0747:13, L0750:13, T0002:12, H0141:12, H0140:12, H0580:12, S0222:12, H0581:12, T0110:12, H0288:12, H0628:12, H0551:12, H0641:12, S0002:12, L0662:12, S0028:12, S0032:12, L0757:12, H0370:11, H0014:11, H0290:11, H0412:11, S0150:11, L0754:11, L0608:11, H0665:11, H0667:11, S0424:11, H0333:10, S0628:10, H0284:10, H0634:10, H0522:10, L0744:10, H0445:10, H0650:9, S0358:9, T0039:9, H0620:9, H0591:9, H0560:9, L0372:9, H0435:9, L0439:9, L0755:9, L0597:9, H0352:9, H0257:8, H0486:8, L0471:8, S0036:8, H0264:8, H0100:8, H0625:8, L0363:8, L0378:8, L0382:8, L0665:8, H0631:8, L0740:8, H0423:8, H0255:7, S0007:7, H0431:7, H0586:7, H0497:7, H0492:7, H0635:7, S0049:7, H0038:7, H0059:7, H0529:7, L0369:7, L0774:7, L0654:7, L0657:7, H0670:7, H0660:7, L0742:7, L0752:7, L0731:7, L0599:7, S0342:6, H0295:6, H0638:6, S0468:6, H0587:6, H0309:6, T0115:6, H0545:6, H0123:6, H0622:6, H0644:6, H0606:6, H0616:6, S0210:6, S0426:6, L0381:6, L0388:6, L0655:6, L0383:6, H0520:6, H0689:6, H0672:6, L0602:6, H0214:6, H0626:6, H0159:5, H0661:5, H0619:5, L0717:5, H0544:5, H0050:5, H0012:5, H0024:5, T0010:5, H0594:5, H0188:5, S0003:5, H0213:5, H0181:5, H0268:5, S0038:5, H0429:5, H0646:5, S0142:5, S0208:5, L0763:5, L0770:5, L0646:5, L0767:5, L0776:5, L0565:5, H0547:5, H0682:5, H0659:5, S0328:5, H0555:5, H0627:5, L0758:5, H0668:5, S0196:5, H0624:4, T0049:4, S0116:4, H0662:4, H0402:4, H0550:4, H0441:4, H0438:4, H0643:4, T0109:4, H0075:4, H0156:4, S0010:4, S0346:4, S0182:4, H0327:4, H0546:4, H0051:4, S0051:4, H0553:4, L0456:4, H0413:4, L0637:4, L0764:4, L0648:4, L0768:4, L0375:4, L0518:4, H0690:4, L0745:4, L0777:4, L0589:4, H0422:4, H0218:3, S0134:3, H0664:3, H0458:3, S0356:3, S0354:3, S0376:3, H0261:3, H0549:3, H0455:3, T0060:3, H0427:3, H0042:3, T0082:3, H0036:3, H0590:3, H0421:3, H0196:3, H0194:3, H0204:3, H0086:3, H0510:3, H0375:3, H0267:3,

				<p>H0615:3, H0039:3, T0006:3, H0068:3, H0163:3, H0272:3, L0564:3, H0280:3, H0130:3, L0769:3, L0771:3, L0387:3, L0376:3, L0368:3, H0648:3, S0330:3, H0539:3, S0044:3, S0390:3, S0260:3, H0444:3, L0587:3, H0653:3, L0600:3, H0170:2, H0149:2, H0686:2, H0685:2, H0294:2, S0114:2, H0583:2, S0180:2, S0298:2, S0282:2, H0306:2, H0449:2, H0459:2, H0675:2, H0747:2, H0393:2, S0300:2, H0437:2, H0592:2, S0005:2, H0574:2, H0256:2, L0623:2, L0586:2, T0103:2, H0150:2, H0041:2, N0006:2, H0172:2, H0081:2, H0200:2, N0007:2, H0071:2, H0355:2, S0312:2, S0250:2, H0328:2, H0688:2, L0483:2, H0033:2, H0031:2, L0142:2, L0143:2, H0032:2, L0455:2, S0366:2, H0316:2, H0598:2, L0351:2, H0366:2, H0509:2, H0132:2, H0647:2, S0422:2, L0762:2, L0638:2, L0642:2, L0521:2, L0386:2, L0804:2, L0540:2, S0006:2, S0148:2, S0380:2, H0710:2, H0576:2, S0392:2, S0206:2, L0741:2, L0779:2, L0753:2, H0595:2, S0436:2, L0605:2, L0590:2, L0604:2, L0366:2, H0216:2, H0395:1, H0219:1, H0224:1, H0225:1, H0161:1, H0220:1, H0158:1, H0222:1, S0624:1, H0656:1, L0785:1, L3814:1, H0419:1, S0001:1, H0484:1, H0254:1, H0671:1, H0176:1, L3659:1, H0305:1, S0348:1, L0005:1, T0008:1, L0428:1, L3645:1, H0637:1, H0208:1, H0645:1, S0626:1, H0351:1, L0394:1, S0220:1, H0392:1, H0357:1, H0409:1, H0403:1, H0282:1, H0600:1, H0362:1, H0331:1, H0491:1, H0485:1, H0270:1, T0112:1, H0098:1, H0122:1, H0390:1, T0048:1, H0505:1, H0251:1, H0085:1, H0183:1, H0205:1, H0597:1, H0231:1, H0121:1, H0439:1, L0041:1, H0009:1, N0003:1, S0050:1, L0163:1, S0388:1, H0275:1, H0399:1, H0354:1, H0271:1, H0416:1, S0318:1, S0316:1, S0214:1, H0428:1, H0604:1, H0180:1, H0182:1, L0055:1, H0165:1, H0166:1, H0673:1, H0674:1, H0361:1, H0189:1, H0400:1, T0067:1, H0379:1, H0488:1, H0433:1, H0269:1, H0022:1, T0041:1, H0512:1, L0475:1, S0382:1, S0464:1, S0306:1, S0440:1, H0131:1, H0633:1, H0026:1, L0520:1, L0640:1, L0371:1, L0667:1, L0772:1, L0373:1, L0374:1, L0765:1, L0773:1, L0766:1, L0561:1, L0650:1, L0651:1, L0806:1, L0661:1, L0629:1, L0628:1, L0527:1, L0636:1, L0542:1, L0526:1, L0783:1, L0790:1, S0052:1, S0428:1, H0684:1, H0187:1, H0436:1, H0478:1, L0609:1, L0612:1, L0780:1, L0759:1, L0581:1, L0361:1, H0217:1, S0276:1, S0042:1 and H0775:1.</p>
89	HEEAQ11	777843	99	<p>AR271:5, AR060:4, AR055:4, AR163:4, AR162:3, AR197:3, AR177:3, AR201:3, AR165:3, AR192:3, AR204:3, AR309:3, AR274:3, AR161:3, AR166:3, AR193:3, AR235:3, AR198:3, AR289:3, AR240:3, AR252:3, AR282:2, AR205:2, AR223:2, AR246:2, AR168:2, AR312:2, AR172:2, AR185:2, AR296:2, AR089:2, AR264:2, AR266:2, AR164:2, AR275:2, AR250:2, AR243:2, AR272:2, AR104:2, AR300:2, AR180:2, AR293:2, AR171:2, AR181:2, AR290:2, AR291:2, AR233:2, AR255:2, AR096:2, AR297:2, AR286:2, AR176:2, AR283:2, AR225:2, AR213:2, AR061:2, AR169:2, AR261:2, AR263:2, AR053:2, AR288:2, AR299:2, AR170:2, AR316:2, AR247:2, AR254:2, AR207:2, AR308:2, AR311:2, AR287:2, AR182:2, AR277:2, AR178:1, AR294:1, AR218:1, AR174:1, AR188:1, AR295:1, AR196:1, AR228:1, AR203:1, AR313:1, AR285:1, AR222:1, AR237:1, AR257:1, AR224:1, AR229:1, AR190:1, AR234:1, AR200:1, AR195:1, AR239:1, AR268:1, AR179:1, AR232:1, L0758:4, L0794:3, H0549:2, H0038:2, L0768:2, L0779:2 and L0767:1.</p>
90	HEGAH43	532596	100	<p>AR161:7, AR163:6, AR162:6, AR176:6, AR263:4, AR275:4, AR269:4, AR266:4, AR216:4, AR214:4, AR183:4, AR192:4, AR233:4, AR235:4, AR270:4, AR267:4, AR228:4, AR309:4, AR261:3, AR172:3, AR236:3, AR272:3, AR264:3, AR182:3, AR217:3, AR288:3, AR293:3, AR257:3, AR274:3, AR178:3, AR169:3, AR245:3, AR229:3, AR255:3, AR311:3, AR268:3, AR177:3, AR294:3, AR262:3, AR166:3, AR179:3, AR175:3, AR170:3, AR224:3, AR287:3, AR164:3, AR282:3, AR238:3, AR239:3, AR171:3, AR191:3, AR237:3, AR061:3, AR291:3, AR221:2, AR181:2, AR234:2, AR173:2, AR196:2, AR231:2, AR240:2, AR252:2, AR285:2, AR286:2, AR190:2, AR290:2, AR300:2, AR168:2, AR174:2, AR185:2, AR289:2, AR165:2, AR308:2, AR27:2, AR295:2, AR223:2, AR232:2, AR188:2, AR297:2, AR201:2, AR256:2, AR189:2, AR104:2, AR200:2,</p>

				AR247:2, AR226:2, AR060:2, AR225:2, AR089:1, AR230:1, AR312:1, AR258:1, AR211:1, AR316:1, AR199:1, AR210:1, AR212:1, AR277:1, AR180:1, AR203:1, AR033:1, AR299:1, AR055:1, AR260:1 L0758:5, H0550:1, S0374:1 and L0779:1.
91	HELHD85	847372	101	AR263:4, AR221:2, AR233:2, AR225:2, AR287:2, AR271:2, AR214:2, AR198:2, AR296:2, AR196:1, AR282:1, AR172:1, AR269:1, AR313:1, AR264:1, AR216:1 L0743:3, S0408:2, S0022:2, L0772:2, L0805:2, L0749:2, S0242:2, H0716:1, S0116:1, H0662:1, S0360:1, S0045:1, H0392:1, H0455:1, L0021:1, H0599:1, T0082:1, H0309:1, H0046:1, H0086:1, H0024:1, H0628:1, H0617:1, H0606:1, H0487:1, H0509:1, L0763:1, L0646:1, L0641:1, L0649:1, L0803:1, L0652:1, L0629:1, L0659:1, L0787:1, L0665:1, S0053:1, S0027:1, S0032:1, L0744:1, L0751:1, L0747:1 and L0779:1.
92	HEOMQ63	603533	102	AR039:7, AR221:4, AR271:4, AR309:3, AR283:3, AR252:3, AR171:3, AR162:3, AR180:3, AR163:3, AR243:3, AR217:3, AR161:3, AR176:3, AR165:3, AR213:3, AR282:3, AR164:3, AR291:3, AR296:3, AR245:2, AR235:2, AR089:2, AR263:2, AR231:2, AR246:2, AR297:2, AR313:2, AR224:2, AR172:2, AR195:2, AR174:2, AR286:2, AR168:2, AR060:2, AR289:2, AR201:2, AR294:2, AR177:2, AR300:2, AR225:2, AR211:2, AR179:2, AR229:1, AR240:1, AR205:1, AR239:1, AR285:1, AR299:1, AR257:1, AR264:1, AR212:1, AR166:1, AR316:1, AR287:1, AR227:1, AR247:1, AR270:1, AR170:1, AR216:1, AR096:1, AR237:1, AR104:1 L0766:3, L0777:2, S0116:1, S0376:1, H0457:1, S0440:1, L0771:1, L0803:1, L0804:1, L0657:1, L0659:1, H0525:1, S0406:1 and L0750:1.
93	HEPAA46	596830	103	AR215:19, AR245:4, AR221:4, AR224:3, AR282:3, AR053:3, AR252:3, AR309:3, AR176:2, AR162:2, AR169:2, AR266:2, AR166:2, AR263:2, AR214:2, AR161:2, AR163:2, AR172:2, AR183:2, AR165:2, AR177:2, AR164:2, AR182:2, AR313:2, AR264:2, AR283:2, AR193:2, AR236:1, AR175:1, AR217:1, AR233:1, AR286:1, AR171:1, AR257:1, AR223:1, AR277:1, AR297:1, AR255:1, AR296:1, AR289:1, AR295:1, AR207:1, AR204:1, AR267:1, AR181:1, AR033:1, AR180:1, AR234:1, AR179:1, AR299:1, AR271:1, AR188:1, AR230:1, AR262:1, AR178:1, AR287:1, AR229:1, AR201:1, AR270:1, AR291:1, AR185:1, AR247:1, AR205:1, AR170:1, AR294:1, AR290:1, AR212:1, AR237:1 H0549:3, H0150:2, L0779:2 and L0758:1.
94	HEPAB80	1307790	104	AR191:117, AR190:89, AR245:79, AR271:76, AR175:71, AR178:66, AR189:63, AR240:60, AR246:60, AR269:58, AR174:58, AR188:56, AR196:55, AR180:54, AR197:54, AR176:53, AR183:53, AR211:52, AR274:50, AR182:47, AR177:47, AR207:45, AR192:44, AR235:44, AR270:44, AR179:43, AR181:41, AR268:41, AR312:40, AR264:40, AR261:39, AR165:39, AR166:39, AR263:38, AR250:38, AR164:37, AR290:37, AR252:37, AR266:35, AR200:34, AR291:34, AR210:34, AR285:33, AR255:32, AR243:32, AR295:31, AR247:30, AR254:29, AR308:28, AR236:28, AR275:28, AR201:28, AR173:28, AR033:27, AR163:26, AR267:26, AR238:26, AR195:25, AR198:25, AR253:25, AR287:25, AR193:25, AR161:24, AR260:24, AR311:24, AR288:23, AR297:23, AR162:21, AR205:21, AR294:21, AR239:20, AR256:20, AR313:20, AR289:20, AR096:20, AR060:20, AR262:19, AR300:18, AR258:18, AR185:18, AR226:17, AR272:17, AR257:17, AR219:17, AR232:16, AR039:16, AR316:16, AR293:15, AR237:15, AR296:15, AR309:15, AR282:14, AR234:14, AR224:14, AR231:13, AR053:13, AR233:13, AR203:13, AR229:13, AR286:12, AR299:12, AR199:12, AR172:11, AR222:11, AR221:11, AR061:11, AR089:11, AR277:10, AR169:10, AR230:10, AR242:10, AR104:10, AR223:10, AR213:9, AR228:9, AR168:9, AR218:9, AR170:8, AR204:8, AR225:8, AR227:7, AR216:6, AR214:6, AR055:5, AR171:5, AR283:5, AR215:3, AR217:2 H0150:1
	HEPAB80	570048	401	

95	HFABG18	847073	105	AR292:14, AR186:12, AR241:10, AR194:9, AR273:9, AR052:8, AR202:8, AR061:8, AR282:7, AR291:7, AR206:7, AR298:7, AR284:7, AR274:7, AR275:6, AR295:6, AR184:6, AR251:6, AR244:6, AR238:5, AR204:5, AR226:5, AR310:4, AR232:4, AR286:4, AR248:4, AR296:4, AR033:4, AR289:4, AR285:4, AR266:4, AR246:4, AR243:4, AR055:4, AR198:4, AR312:4, AR224:4, AR309:4, AR269:4, AR283:3, AR299:3, AR227:3, AR231:3, AR237:3, AR192:3, AR265:3, AR267:3, AR268:3, AR253:3, AR270:3, AR259:3, AR053:3, AR249:3, AR193:3, AR183:3, AR300:3, AR060:3, AR182:3, AR213:3, AR233:3, AR229:3, AR172:3, AR294:3, AR247:3, AR216:3, AR313:3, AR225:3, AR185:3, AR293:3, AR205:3, AR218:2, AR168:2, AR277:2, AR195:2, AR089:2, AR234:2, AR261:2, AR215:2, AR271:2, AR219:2, AR177:2, AR235:2, AR263:2, AR171:2, AR096:2, AR316:2, AR176:2, AR245:2, AR240:2, AR175:2, AR308:2, AR272:2, AR257:2, AR163:2, AR256:2, AR104:1, AR165:1, AR166:1, AR315:1, AR297:1, AR169:1, AR164:1, AR039:1, AR280:1, AR255:1, AR287:1, L0743:7, L0747:6, L0758:6, L0766:5, L0666:5, L0754:5, L0750:5, L0662:4, L0783:4, L0665:4, L0751:4, L0777:4, H0170:3, S0132:3, L0503:3, L0500:3, L0769:3, L0774:3, L0805:3, L0809:3, L0565:3, L0749:3, L0757:3, L0596:3, S0360:2, H0013:2, H0024:2, H0617:2, H0673:2, L0641:2, L0773:2, L0768:2, L0649:2, L0499:2, L0375:2, L0659:2, L0664:2, H0658:2, L0744:2, L0748:2, L0740:2, L0745:2, L0603:2, H0265:1, H0556:1, S0624:1, H0661:1, H0662:1, S0418:1, T0008:1, H0351:1, S0222:1, H0370:1, T0039:1, L0015:1, S0280:1, H0575:1, H0004:1, H0618:1, H0596:1, H0231:1, H0545:1, H0009:1, H0012:1, S0388:1, S0051:1, H0688:1, H0644:1, L0055:1, H0674:1, H0124:1, H0598:1, H0087:1, S0440:1, S0150:1, S0142:1, L0763:1, L0770:1, L0764:1, L0771:1, L0794:1, L0650:1, L0651:1, L0378:1, L0776:1, L0655:1, L0629:1, L0657:1, L0493:1, L0634:1, L0528:1, H0144:1, H0547:1, H0690:1, H0682:1, H0670:1, S0328:1, H0518:1, H0436:1, L0746:1, L0756:1, L0779:1, L0780:1, L0731:1, H0445:1, S0434:1, L0592:1, L0595:1, H0668:1, S0194:1, H0506:1 and H0008:1.
96	HFABH95	566712	106	AR173:16, AR162:14, AR161:14, AR163:13, AR180:12, AR178:11, AR257:11, AR262:11, AR191:11, AR196:10, AR181:10, AR226:10, AR174:10, AR297:10, AR255:9, AR165:9, AR238:9, AR313:9, AR287:8, AR164:8, AR199:8, AR258:8, AR166:8, AR176:8, AR240:8, AR236:8, AR179:8, AR183:8, AR261:8, AR264:7, AR288:7, AR260:7, AR225:7, AR182:7, AR242:7, AR230:7, AR200:7, AR089:7, AR229:7, AR247:7, AR203:7, AR189:7, AR227:7, AR234:6, AR188:6, AR061:6, AR237:6, AR231:6, AR175:6, AR228:6, AR269:6, AR270:6, AR233:6, AR300:6, AR296:6, AR299:6, AR221:5, AR254:5, AR239:5, AR293:5, AR060:5, AR193:5, AR223:5, AR185:5, AR190:5, AR217:5, AR232:5, AR171:5, AR215:5, AR245:5, AR212:5, AR216:5, AR274:5, AR294:5, AR290:5, AR282:4, AR291:4, AR266:4, AR316:4, AR169:4, AR268:4, AR204:4, AR285:4, AR267:4, AR218:4, AR210:4, AR096:4, AR177:4, AR311:4, AR246:4, AR184:4, AR277:4, AR170:4, AR286:4, AR272:4, AR192:4, AR033:4, AR235:4, AR312:4, AR308:4, AR275:3, AR263:3, AR053:3, AR214:3, AR253:3, AR309:3, AR172:3, AR202:3, AR201:3, AR168:3, AR197:3, AR211:3, AR224:3, AR289:3, AR198:3, AR213:3, AR219:3, AR195:3, AR052:3, AR104:3, AR207:3, AR295:2, AR256:2, AR222:2, AR205:2, AR271:2, AR039:2, AR186:2, AR243:2, AR283:2, AR055:2, AR273:2, AR206:1, AR244:1, AR252:1, S0624:1, S0430:1, H0039:1, H0056:1 and H0660:1.
97	HFAEF57	534142	107	AR241:14, AR161:14, AR162:13, AR163:13, AR313:10, AR242:10, AR201:10, AR165:9, AR164:9, AR252:9, AR197:9, AR194:9, AR053:9, AR166:9, AR198:8, AR245:8, AR236:8, AR192:8, AR176:8, AR206:8, AR250:8, AR212:8, AR235:8, AR196:7, AR271:7, AR186:7, AR052:7, AR173:7, AR204:7, AR246:7, AR253:7, AR263:7, AR207:7, AR191:7, AR275:7, AR180:7, AR226:7, AR272:7, AR247:7, AR181:6, AR299:6, AR089:6, AR195:6, AR293:6, AR244:6, AR193:6, AR312:6, AR213:6, AR229:6, AR039:6, AR280:6, AR251:6, AR188:6, AR202:6, AR309:6, AR287:6, AR264:6, AR238:6, AR273:6,

98	HFAMH77	543486	108	<p>AR174:6, AR177:6, AR240:6, AR257:6, AR237:5, AR243:5, AR061:5, AR233:5, AR228:5, AR261:5, AR184:5, AR182:5, AR262:5, AR185:5, AR300:5, AR270:5, AR096:5, AR189:5, AR190:5, AR274:5, AR248:5, AR205:5, AR315:5, AR183:5, AR175:5, AR288:5, AR169:5, AR033:5, AR297:5, AR269:5, AR199:5, AR178:5, AR249:5, AR295:5, AR308:4, AR055:4, AR223:4, AR254:4, AR060:4, AR104:4, AR216:4, AR296:4, AR227:4, AR290:4, AR221:4, AR266:4, AR232:4, AR239:4, AR311:4, AR179:4, AR298:4, AR200:4, AR231:4, AR285:4, AR255:4, AR268:4, AR286:4, AR267:4, AR282:4, AR230:4, AR294:4, AR316:4, AR214:4, AR234:4, AR168:4, AR277:3, AR258:3, AR291:3, AR170:3, AR217:3, AR203:3, AR292:3, AR171:3, AR289:3, AR310:3, AR265:3, AR215:3, AR259:3, AR284:3, AR225:2, AR281:2, AR219:2, AR218:2, AR283:2, AR222:2, AR314:2, AR260:2, AR210:2, AR172:2, AR224:2, AR211:1, AR256:1 S6024:1</p> <p>AR295:13, AR296:13, AR218:11, AR285:10, AR287:9, AR261:9, AR096:8, AR264:7, AR297:7, AR055:7, AR291:7, AR313:7, AR294:6, AR060:6, AR288:6, AR286:6, AR170:6, AR255:6, AR039:6, AR262:6, AR293:5, AR283:5, AR316:5, AR053:5, AR221:5, AR104:5, AR309:5, AR263:4, AR254:4, AR089:4, AR257:4, AR240:4, AR229:4, AR312:4, AR258:4, AR271:4, AR217:4, AR161:4, AR177:4, AR162:4, AR299:4, AR311:4, AR245:4, AR193:3, AR260:3, AR246:3, AR163:3, AR212:3, AR270:3, AR266:3, AR289:3, AR174:3, AR308:3, AR250:3, AR253:3, AR178:3, AR165:3, AR191:3, AR171:3, AR275:3, AR213:3, AR282:3, AR164:3, AR181:3, AR166:3, AR169:3, AR300:3, AR267:3, AR268:3, AR175:3, AR173:3, AR189:3, AR236:3, AR269:3, AR172:3, AR185:3, AR182:3, AR180:3, AR198:3, AR252:3, AR290:3, AR274:2, AR226:2, AR228:2, AR238:2, AR247:2, AR239:2, AR211:2, AR233:2, AR188:2, AR200:2, AR256:2, AR237:2, AR232:2, AR203:2, AR234:2, AR190:2, AR183:2, AR201:2, AR231:2, AR199:2, AR224:2, AR179:2, AR277:2, AR272:2, AR214:2, AR235:1, AR061:1, AR210:1, AR176:1, AR196:1, AR230:1, AR216:1 L0771:5, L0805:4, S0007:3, L0794:3, L0439:3, L0758:3, H0657:2, L0662:2, L0766:2, L0659:2, H0670:2, L0731:2, L0757:2, S0436:2, H0624:1, S0134:1, S0356:1, S0408:1, H0733:1, H0747:1, H0486:1, L3653:1, S0474:1, H0581:1, H0327:1, H0545:1, H0373:1, H0622:1, L0770:1, L0769:1, L0761:1, L0644:1, L0803:1, L0774:1, L0655:1, L0438:1, H0539:1, H0521:1, H0555:1, L0741:1, L0748:1, L0779:1 and S0031:1.</p>
99	HFCCQ50	579993	109	<p>AR214:58, AR274:55, AR216:54, AR217:51, AR222:50, AR245:47, AR223:47, AR272:46, AR199:45, AR224:43, AR169:42, AR168:39, AR308:38, AR225:38, AR205:36, AR251:35, AR212:35, AR221:35, AR264:33, AR171:33, AR165:32, AR313:31, AR213:31, AR164:31, AR162:30, AR166:30, AR210:30, AR247:30, AR161:30, AR172:30, AR170:29, AR215:29, AR309:29, AR163:29, AR312:28, AR273:28, AR189:28, AR188:28, AR053:28, AR178:27, AR180:27, AR173:26, AR236:25, AR254:25, AR183:24, AR197:23, AR250:23, AR179:22, AR263:22, AR174:22, AR246:22, AR311:22, AR190:22, AR218:22, AR310:21, AR052:20, AR253:20, AR195:20, AR262:19, AR211:19, AR256:19, AR300:19, AR252:18, AR242:18, AR175:18, AR299:18, AR255:18, AR297:18, AR288:17, AR271:17, AR240:17, AR269:17, AR275:17, AR089:17, AR282:17, AR270:17, AR261:16, AR243:16, AR176:16, AR257:16, AR230:16, AR096:15, AR316:15, AR258:15, AR181:15, AR268:15, AR260:15, AR266:15, AR293:15, AR201:15, AR265:14, AR267:14, AR290:14, AR291:14, AR193:14, AR200:13, AR191:13, AR203:13, AR039:13, AR296:13, AR060:12, AR196:12, AR283:12, AR289:12, AR239:12, AR229:12, AR277:12, AR198:12, AR182:12, AR177:12, AR204:11, AR185:11, AR287:11, AR237:11, AR295:11, AR231:11, AR244:10, AR192:10, AR248:10, AR238:10, AR280:9, AR286:9, AR315:9, AR104:9, AR285:9, AR249:9, AR226:9, AR294:9, AR235:8, AR234:8, AR314:8, AR033:8, AR228:8, AR186:8, AR233:7, AR292:7, AR232:7, AR241:6, AR061:6, AR207:5, AR055:5, AR227:5, AR259:5,</p>

100	HFCB37	411345	110	AR206:4, AR281:2, AR298:2, AR184:2, AR284:1, AR194:1, S0476:1, L0803:1, L0666:1 and L0608:1. AR282:18, AR176:14, AR269:13, AR183:11, AR173:11, AR201:11, AR182:11, AR252:11, AR204:11, AR193:11, AR294:10, AR243:9, AR233:9, AR236:9, AR197:9, AR162:9, AR161:9, AR270:9, AR163:9, AR178:9, AR165:9, AR217:9, AR225:9, AR175:9, AR231:9, AR181:9, AR089:8, AR215:8, AR164:8, AR207:8, AR170:8, AR216:8, AR166:8, AR172:8, AR268:8, AR221:8, AR291:8, AR169:8, AR179:8, AR261:8, AR235:8, AR205:8, AR224:8, AR039:7, AR180:7, AR060:7, AR242:7, AR267:7, AR228:7, AR168:7, AR223:7, AR290:7, AR198:7, AR296:7, AR266:7, AR285:7, AR287:7, AR316:7, AR174:7, AR257:7, AR237:7, AR271:7, AR245:7, AR313:7, AR033:7, AR229:7, AR192:7, AR255:7, AR250:7, AR288:7, AR191:6, AR254:6, AR096:6, AR177:6, AR055:6, AR264:6, AR214:6, AR299:6, AR188:6, AR297:6, AR190:6, AR171:6, AR253:6, AR293:6, AR247:6, AR300:6, AR289:6, AR264:6, AR214:6, AR299:6, AR188:6, AR297:6, AR190:6, AR171:6, AR253:6, AR200:6, AR295:5, AR053:5, AR185:5, AR226:5, AR196:5, AR309:5, AR274:5, AR312:5, AR234:5, AR189:5, AR286:5, AR061:4, AR308:4, AR227:4, AR275:4, AR104:4, AR263:4, AR258:4, AR218:4, AR203:4, AR232:4, AR272:4, AR230:4, AR277:4, AR256:4, AR212:3, AR199:3, AR210:3, AR211:3, AR311:3, AR283:3, AR219:3, AR213:3, AR260:2, S0222:2, L0438:2, S0134:1, S0045:1, H0747:1, H0013:1, H0009:1, S6028:1, L0598:1, L0532:1, S0052:1, H0696:1, S0146:1, L0439:1, L0777:1 and L0366:1.
101	HFFAD59	520369	111	AR225:3, AR162:3, AR161:3, AR271:3, AR183:2, AR180:2, AR282:2, AR217:2, AR254:2, AR198:2, AR291:2, AR175:2, AR288:2, AR177:2, AR201:2, AR163:2, AR267:2, AR224:2, AR295:2, AR266:2, AR312:2, AR173:2, AR277:2, AR311:2, AR238:2, AR033:2, AR193:2, AR228:2, AR294:2, AR195:2, AR275:1, AR243:1, AR272:1, AR205:1, AR174:1, AR213:1, AR293:1, AR308:1, AR229:1, AR233:1, AR285:1, AR247:1, AR269:1, AR181:1, AR182:1, AR230:1, AR296:1, AR185:1, AR240:1, AR297:1, AR258:1, H0172:2
102	HFFAL36	560639	112	AR272:6, AR223:6, AR205:6, AR308:6, AR225:5, AR053:5, AR224:5, AR252:5, AR296:5, AR245:4, AR266:4, AR212:4, AR246:4, AR169:4, AR222:4, AR312:3, AR285:3, AR242:3, AR197:3, AR213:3, AR289:2, AR287:2, AR221:2, AR180:2, AR200:2, AR286:2, AR270:2, AR039:2, AR264:2, AR183:2, AR295:2, AR195:2, AR181:2, AR172:2, AR196:2, AR271:2, AR238:2, AR269:2, AR257:2, AR033:2, AR282:2, AR233:2, AR297:1, AR171:1, AR089:1, AR240:1, AR237:1, AR096:1, AR258:1, AR215:1, AR185:1, AR262:1, AR228:1, AR239:1, AR277:1, AR230:1, AR207:1, AR231:1, AR229:1, AR260:1, AR253:1, AR313:1, AR104:1, AR217:1, AR293:1, AR177:1, AR255:1, H0172:1, L0500:1, L0512:1, L0748:1, L0749:1, L0777:1 and L0096:1.
103	HFGAD82	513669	113	AR104:18, AR033:14, AR222:7, AR162:6, AR161:6, AR163:6, AR309:6, AR207:5, AR224:5, AR282:5, AR178:4, AR053:4, AR274:4, AR089:4, AR195:4, AR272:4, AR165:4, AR289:3, AR164:3, AR166:3, AR308:3, AR246:3, AR312:3, AR183:3, AR223:3, AR197:3, AR192:3, AR252:3, AR277:3, AR261:3, AR039:3, AR245:3, AR176:3, AR096:3, AR170:3, AR296:3, AR168:2, AR266:2, AR180:2, AR299:2, AR201:2, AR060:2, AR311:2, AR316:2, AR264:2, AR285:2, AR287:2, AR270:2, AR294:2, AR271:2, AR288:2, AR225:2, AR293:2, AR290:2, AR171:2, AR286:2, AR291:2, AR295:2, AR216:2, AR297:2, AR275:2, AR247:2, AR191:2, AR185:2, AR229:2, AR205:2, AR300:2, AR257:2, AR283:2, AR269:2, AR182:2, AR061:1, AR193:1, AR213:1, AR236:1, AR237:1, AR313:1, AR217:1, AR268:1, AR175:1, AR179:1, AR233:1, L0439:22, L0756:12, S0222:11, L0438:10, S0414:8, S0051:8, L0598:7, S0412:6, L3657:5, L0770:5, H0144:5, L0638:4, H0170:3, S0282:3, H0438:3, S0036:3, L0740:3, S0031:3, S0260:3, S0007:2, H0441:2, L3655:2, S0049:2, H0052:2, H0178:2, H0051:2, S6028:2, S0038:2, L0759:2, L0589:2, L0366:2, H0583:1, S0001:1, H0662:1, L3658:1, L0476:1, S0300:1,

104	HFIUR10	532060	114	H0406:1, S6014:1, H0455:1, H0013:1, H0244:1, H0390:1, S0346:1, H0327:1, H0041:1, H0563:1, H0567:1, S0050:1, S0048:1, S0388:1, S0039:1, L0796:1, L5575:1, L0630:1, L0767:1, L0794:1, L0774:1, L0805:1, L0776:1, L0518:1, L0809:1, L0788:1, L0792:1, L0666:1, S0374:1, H0658:1, S0330:1, L0777:1, L0758:1, L0592:1 and L0593:1.
				ARI69:4, ARI65:4, ARI61:3, ARI63:3, ARI62:3, ARI66:3, AR246:3, AR252:3, AR313:3, AR089:3, AR311:3, AR266:2, AR270:2, ARI180:2, AR261:2, ARI64:2, AR224:2, AR269:2, AR096:2, AR236:2, AR289:2, AR201:2, AR297:2, AR312:2, AR205:2, AR217:2, AR255:2, ARI172:2, AR240:2, AR216:2, ARI83:2, AR309:2, ARI73:2, AR291:2, ARI176:2, ARI196:2, AR295:1, AR264:1, AR225:1, AR299:1, AR033:1, ARI174:1, AR257:1, AR282:1, AR060:1, AR230:1, ARI178:1, ARI177:1, AR316:1, ARI168:1, AR243:1, AR283:1, AR268:1, AR277:1, ARI189:1, AR290:1, AR247:1, AR055:1, AR308:1, AR288:1, AR300:1, AR237:1, ARI185:1 H0265:2, L0591:2, H0556:1, S0356:1, H0271:1, H0622:1, S0428:1, S0434:1 and S0196:1.
105	HFTBM50	545012	115	AR300:4, ARI104:4, AR240:4, AR277:3, AR060:3, ARI85:3, AR055:3, AR299:2, AR316:2, AR282:2, AR219:2, AR089:2, AR283:2, AR218:2, AR096:2, AR039:2, AR313:1 L0439:6, L0731:4, L0769:2, L0666:2, S0432:2, S0206:2, L0751:2, L0777:2, L0759:2, L0591:2, H0341:1, H0661:1, S0408:1, H0601:1, H0497:1, H0123:1, L0471:1, H0051:1, H0252:1, H0673:1, H0616:1, H0551:1, H0646:1, S0422:1, L0372:1, L0771:1, L0773:1, L0768:1, L0775:1, L0375:1, L0527:1, L0664:1, L0665:1, S0374:1, H0519:1, H0659:1, H0521:1, H0522:1, L0747:1, L0749:1, L0755:1, L0758:1, S0031:1, L0683:1, L0590:1 and L0595:1.
106	HFTDZ36	545726	116	AR282:5, ARI176:3, AR252:2, AR270:2, AR287:2, AR309:2, AR221:2, AR263:2, AR291:2, AR224:2, AR233:2, ARI181:2, ARI198:2, AR240:2, AR222:2, ARI193:2, AR214:2, AR286:2, ARI165:2, ARI164:1, ARI178:1, AR236:1, AR201:1, ARI168:1, AR089:1, AR262:1, AR060:1, AR217:1, ARI161:1, AR272:1, AR264:1, AR061:1, ARI195:1, AR257:1, AR268:1, ARI215:1, AR285:1, AR258:1, AR210:1, ARI104:1, ARI196:1 L0779:5, L0758:4, S0036:2, S0422:2, L0662:2, L0803:2, H0171:1, H0208:1, H0411:1, S0222:1, H0013:1, H0108:1, H0581:1, H0123:1, H0024:1, H0373:1, S0051:1, S6028:1, H0615:1, L0794:1, L0804:1, S0126:1, H0436:1, S0028:1, L0756:1, L0777:1, L0731:1 and S0242:1.
107	HFVAB79	1300736	117	AR254:20, AR250:17, AR252:16, AR253:15, AR240:12, AR245:11, AR282:11, AR290:10, ARI161:10, ARI163:10, ARI162:10, ARI199:10, ARI164:9, ARI165:9, ARI188:9, AR200:9, AR234:9, AR229:9, ARI166:9, AR247:9, AR268:8, ARI197:8, AR246:8, AR215:8, AR267:8, AR238:8, AR242:8, AR216:8, AR270:8, AR239:7, AR203:7, ARI196:7, AR294:7, AR201:7, AR231:7, AR263:7, AR264:7, AR214:7, AR217:7, ARI193:6, AR061:6, ARI183:6, AR272:6, ARI195:6, AR039:6, ARI180:6, ARI172:6, AR271:6, AR237:6, ARI170:6, AR228:6, AR230:6, AR269:5, AR313:5, AR233:5, AR243:5, AR300:5, ARI190:5, ARI176:5, AR225:5, ARI173:5, AR089:5, AR221:5, ARI168:5, AR204:5, ARI181:4, ARI169:4, ARI82:4, AR226:4, AR236:4, AR312:4, ARI177:4, ARI191:4, AR096:4, ARI189:4, AR227:4, AR316:4, ARI171:4, AR309:4, AR224:4, AR235:4, AR266:4, AR053:4, AR060:4, AR232:4, AR275:4, AR212:4, AR288:4, AR222:4, ARI175:4, ARI179:4, AR311:3, AR291:3, ARI192:3, AR299:3, AR257:3, AR308:3, AR205:3, AR277:3, AR289:3, ARI198:3, AR293:3, AR213:3, AR223:3, AR255:3, AR274:3, AR296:3, AR262:3, AR297:3, AR285:3, ARI178:3, AR207:3, AR295:3, AR287:3, AR286:2, AR261:2, ARI185:2, AR055:2, AR033:2, ARI174:2, AR258:2, AR256:2, AR218:2, ARI104:2, AR210:2, AR260:1, AR219:1, AR211:1, AR283:1 L0803:8, L0748:4, H0151:1, S0045:1, H0574:1, H0038:1, H0745:1, S0438:1, L0771:1, L0804:1, L0774:1 and L0750:1.
	HFVAB79	565076	402	
108	HFVGE32	854545	118	AR313:29, ARI173:22, ARI161:21, ARI162:21, ARI163:20, ARI165:18, ARI164:17, ARI196:17, ARI166:16, AR240:16,

				AR258:16, AR300:16, AR096:15, AR229:15, AR218:14, AR247:14, AR257:14, AR175:13, AR185:13, AR264:13, AR174:13, AR262:13, AR234:12, AR275:12, AR299:12, AR177:11, AR181:11, AR274:11, AR199:10, AR236:10, AR089:10, AR226:10, AR270:10, AR178:10, AR179:10, AR191:10, AR233:9, AR269:9, AR180:9, AR293:9, AR182:9, AR238:9, AR183:8, AR104:8, AR219:8, AR316:8, AR203:8, AR033:7, AR261:7, AR231:7, AR189:7, AR230:7, AR312:7, AR200:7, AR176:7, AR060:6, AR268:6, AR282:6, AR260:6, AR255:6, AR277:6, AR228:6, AR237:6, AR188:6, AR267:6, AR263:6, AR285:6, AR308:6, AR294:6, AR297:5, AR296:5, AR239:5, AR309:5, AR286:5, AR272:5, AR266:5, AR053:4, AR287:4, AR290:4, AR256:4, AR212:4, AR295:4, AR250:4, AR227:4, AR213:4, AR291:4, AR288:4, AR190:3, AR311:3, AR168:3, AR271:3, AR224:3, AR232:3, AR211:3, AR289:2, AR283:2, AR223:2, AR055:2, AR217:2, AR222:2, AR171:2, AR235:2, AR210:2, AR061:2, AR172:1, AR216:1, AR246:1, AR221:1 S0052:2 and H0393:1.
	HFVGE32	698580	403	
109	HFVBL33	778070	119	AR163:25, AR161:24, AR162:24, AR313:23, AR173:17, AR180:17, AR196:17, AR165:17, AR166:16, AR229:16, AR164:16, AR270:14, AR247:14, AR182:14, AR238:14, AR234:14, AR175:14, AR179:13, AR269:13, AR181:13, AR178:13, AR199:12, AR258:12, AR262:12, AR240:11, AR233:11, AR257:11, AR183:11, AR264:11, AR300:10, AR268:10, AR285:10, AR293:10, AR274:10, AR231:10, AR275:10, AR191:10, AR230:10, AR228:10, AR236:10, AR237:10, AR226:10, AR239:9, AR287:9, AR203:9, AR294:9, AR174:9, AR296:9, AR260:8, AR176:8, AR189:8, AR200:8, AR312:8, AR033:8, AR096:8, AR185:8, AR299:8, AR255:7, AR297:7, AR267:7, AR188:7, AR177:7, AR290:7, AR277:6, AR218:6, AR190:6, AR286:6, AR291:6, AR089:6, AR266:6, AR060:6, AR227:6, AR219:6, AR263:5, AR295:5, AR316:5, AR311:5, AR261:5, AR055:5, AR235:5, AR309:5, AR282:5, AR272:4, AR288:4, AR308:4, AR256:4, AR053:4, AR289:4, AR104:4, AR283:4, AR215:4, AR223:4, AR232:4, AR212:4, AR213:3, AR061:3, AR211:3, AR217:3, AR216:3, AR169:3, AR210:3, AR195:3, AR168:2, AR225:2, AR201:2, AR193:2, AR171:2, AR214:2, AR039:2, AR243:2, AR222:2, AR170:1, AR246:1, AR224:1 H0657:3, H0645:2, L0748:2, H0583:1, H0650:1, S0001:1, L0586:1, H0013:1, L0021:1, T0071:1, H0354:1, H0179:1, T0006:1, H0591:1, H0272:1, L0667:1, H0547:1, S0404:1, S0031:1 and L0599:1.
110	HFXDN63	553685	120	AR161:4, AR162:4, AR204:4, AR225:4, AR163:4, AR271:3, AR198:3, AR275:3, AR193:3, AR309:3, AR282:3, AR277:2, AR060:2, AR176:2, AR205:2, AR246:2, AR053:2, AR254:2, AR288:2, AR165:2, AR055:2, AR266:2, AR171:2, AR263:2, AR182:2, AR166:2, AR195:2, AR089:1, AR215:1, AR185:1, AR217:1, AR237:1, AR270:1, AR196:1, AR261:1, AR267:1, AR296:1, AR201:1, AR216:1, AR264:1, AR316:1, AR168:1, AR247:1 S0001:1
111	HFXJX44	701988	121	AR313:13, AR162:11, AR161:10, AR178:10, AR163:10, AR176:10, AR183:10, AR165:9, AR089:9, AR181:9, AR182:9, AR164:9, AR229:9, AR166:8, AR269:8, AR173:8, AR196:8, AR055:8, AR300:8, AR228:8, AR175:7, AR233:7, AR226:7, AR309:7, AR247:7, AR192:7, AR239:7, AR180:7, AR236:7, AR257:7, AR293:7, AR266:7, AR235:7, AR240:7, AR238:7, AR267:7, AR096:7, AR177:7, AR261:6, AR053:6, AR179:6, AR245:6, AR268:6, AR282:6, AR299:6, AR198:6, AR290:6, AR204:6, AR191:6, AR060:6, AR262:6, AR174:6, AR277:6, AR312:6, AR271:6, AR185:5, AR316:5, AR289:5, AR270:5, AR294:5, AR193:5, AR258:5, AR296:5, AR212:5, AR237:5, AR255:5, AR227:5, AR234:5, AR061:5, AR274:5, AR275:5, AR264:5, AR197:5, AR287:5, AR243:5, AR286:4, AR263:4, AR199:4, AR200:4, AR231:4, AR203:4, AR291:4, AR214:4, AR242:4, AR285:4, AR230:4, AR033:4, AR189:4, AR188:4, AR213:4, AR195:4, AR288:4, AR246:4, AR295:4, AR224:4, AR252:3, AR104:3, AR250:3, AR272:3, AR218:3, AR219:3, AR190:3, AR308:3, AR222:3, AR171:3,

112	HFXKJ03	505207	122	AR260:3, AR207:3, AR168:3, AR205:3, AR283:3, AR232:3, AR039:3, AR311:2, AR172:2, AR256:2, AR221:2, AR225:2, AR217:2, AR169:1, AR210:1, AR211:1, AR254:1, H0590:2, S0282:1, H0486:1, H0421:1 and H0594:1. AR161:7, AR162:7, AR163:7, AR243:6, AR250:5, AR176:5, AR165:5, AR225:5, AR193:5, AR164:5, AR233:5, AR271:4, AR246:4, AR182:4, AR166:4, AR053:4, AR228:4, AR309:4, AR181:4, AR216:4, AR266:4, AR269:4, AR172:4, AR235:4, AR183:4, AR264:4, AR237:4, AR170:4, AR275:4, AR236:4, AR297:4, AR239:4, AR291:4, AR261:4, AR257:3, AR255:3, AR293:3, AR177:3, AR267:3, AR201:3, AR171:3, AR231:3, AR212:3, AR174:3, AR274:3, AR296:3, AR179:3, AR288:3, AR229:3, AR247:3, AR285:3, AR205:3, AR270:3, AR294:3, AR175:3, AR287:3, AR290:3, AR263:3, AR221:3, AR196:3, AR191:3, AR312:3, AR240:3, AR238:3, AR223:3, AR217:3, AR262:3, AR300:3, AR207:3, AR277:3, AR268:3, AR173:3, AR230:3, AR272:3, AR234:3, AR286:3, AR192:3, AR295:2, AR096:2, AR289:2, AR061:2, AR311:2, AR200:2, AR213:2, AR204:2, AR190:2, AR214:2, AR168:2, AR232:2, AR188:2, AR224:2, AR226:2, AR313:2, AR227:2, AR033:2, AR169:2, AR308:2, AR060:2, AR198:2, AR089:2, AR178:2, AR203:2, AR282:2, AR185:2, AR195:2, AR222:2, AR316:2, AR055:2, AR199:2, AR180:2, AR299:2, AR189:1, AR258:1, AR210:1, AR215:1, AR260:1, AR211:1, AR252:1, AR256:1, AR283:1, S0282:1, H0619:1 and H0581:1.
113	HFXKT05	658690	123	AR207:65, AR197:54, AR193:47, AR192:45, AR201:42, AR033:40, AR299:40, AR055:39, AR242:38, AR235:38, AR177:38, AR233:37, AR198:35, AR185:33, AR060:33, AR195:32, AR174:31, AR203:31, AR191:31, AR204:31, AR061:30, AR104:30, AR181:30, AR243:29, AR179:29, AR257:28, AR165:28, AR196:28, AR176:28, AR190:28, AR089:27, AR175:27, AR213:27, AR291:27, AR164:27, AR228:27, AR288:27, AR287:26, AR275:26, AR161:26, AR166:26, AR238:26, AR236:26, AR163:26, AR199:25, AR178:25, AR245:24, AR162:24, AR267:24, AR226:23, AR039:23, AR246:23, AR261:23, AR205:23, AR173:23, AR286:22, AR250:22, AR240:22, AR296:22, AR316:22, AR247:21, AR293:21, AR232:21, AR231:21, AR188:21, AR294:21, AR053:20, AR255:20, AR289:20, AR282:20, AR189:20, AR212:20, AR300:20, AR230:20, AR295:19, AR239:19, AR270:19, AR258:19, AR234:19, AR308:19, AR269:18, AR180:18, AR253:18, AR285:17, AR227:17, AR297:17, AR254:17, AR272:17, AR237:17, AR200:16, AR182:16, AR271:16, AR262:16, AR277:16, AR312:15, AR229:15, AR260:15, AR263:15, AR274:14, AR268:13, AR266:13, AR309:13, AR096:13, AR290:13, AR264:12, AR183:12, AR252:11, AR313:10, AR217:6, AR221:6, AR216:5, AR219:5, AR170:5, AR283:9, AR211:7, AR172:7, AR210:7, AR223:7, AR224:7, AR171:6, AR224:7, AR217:6, AR216:5, AR219:5, AR170:5, AR215:5, AR222:4, AR214:4, AR168:3, AR218:3, AR169:3, L2804:16, L2400:15, L0748:8, L3019:5, L3316:3, L2138:3, H0553:2, L3140:2, L3904:2, S0378:2, L0777:2, L0758:2, H0657:1, S0282:1, H0402:1, L0005:1, H0333:1, T0114:1, S0280:1, H0618:1, H0253:1, H0581:1, H0052:1, H0050:1, H0620:1, S0388:1, H0354:1, H0135:1, S0344:1, L0763:1, L0638:1, L0761:1, L0764:1, L0363:1, L0766:1, L0651:1, L0805:1, L0655:1, L0659:1, L0666:1, L2261:1, H0701:1, L0749:1, L0756:1, L0779:1, L0752:1, L0599:1, H0542:1, H0423:1, H0422:1 and H0506:1.
114	HGBHI35	570262	124	AR089:24, AR226:21, AR299:20, AR164:20, AR165:20, AR060:19, AR166:17, AR185:16, AR201:16, AR163:15, AR161:15, AR162:15, AR232:15, AR096:14, AR188:14, AR237:14, AR039:14, AR227:14, AR233:13, AR238:13, AR275:12, AR193:12, AR191:12, AR055:12, AR173:11, AR246:11, AR183:11, AR240:11, AR228:11, AR196:11, AR316:11, AR313:11, AR189:10, AR239:10, AR061:10, AR175:10, AR258:10, AR199:10, AR176:10, AR180:10, AR197:9, AR190:9, AR174:9, AR283:9, AR270:9, AR266:9, AR245:9, AR203:9, AR231:9, AR195:9, AR300:8, AR257:8, AR269:8, AR169:8, AR178:8, AR242:8, AR182:8, AR277:8, AR234:8, AR192:8, AR236:8, AR235:8, AR297:8, AR291:8,

				AR198:8, AR181:8, AR282:8, AR295:8, AR264:8, AR218:8, AR274:7, AR294:7, AR177:7, AR285:7, AR247:7, AR271:7, AR263:7, AR288:7, AR104:7, AR229:7, AR261:7, AR215:7, AR216:6, AR287:6, AR286:6, AR255:6, AR179:6, AR268:6, AR243:6, AR262:6, AR205:6, AR289:6, AR293:6, AR223:6, AR267:5, AR200:5, AR312:5, AR254:5, AR290:5, AR260:5, AR308:5, AR311:5, AR309:5, AR204:5, AR230:5, AR296:4, AR213:4, AR225:4, AR170:4, AR272:4, AR252:4, AR256:4, AR214:4, AR222:3, AR207:3, AR053:3, AR211:3, AR172:3, AR210:3, AR033:2, AR212:2, AR224:2, AR171:2, AR168:2, L0748:9, L0766:6, L0665:6, L0751:6, H0550:5, S0358:4, L0774:4, L0758:4, L0581:4, H0135:3, L0662:3, L0775:3, L0776:3, L0743:3, L0747:3, L0749:3, L0777:3, L0600:3, H0295:2, H0722:2, H0052:2, H0014:2, H0510:2, L0640:2, L0659:2, L0526:2, L0809:2, H0696:2, L0753:2, S0134:1, S0212:1, S0376:1, S0408:1, H0742:1, H0730:1, H0747:1, H0549:1, H0331:1, H0486:1, H0575:1, S0049:1, H0085:1, H0204:1, H0057:1, S0051:1, H0266:1, H0188:1, H0687:1, H0169:1, H0090:1, H0591:1, T0067:1, H0488:1, H0714:1, S0438:1, L0374:1, L0648:1, L0376:1, L0807:1, L5622:1, L0790:1, L0791:1, L0666:1, H0701:1, H0547:1, S0126:1, H0660:1, H0672:1, H0539:1, H0436:1, L0439:1, L0746:1, L0750:1, L0779:1, L0752:1, L0759:1 and S0436:1.
115	HGBIB74	837220	125	AR214:16, AR216:13, AR217:11, AR215:9, AR161:9, AR162:9, AR163:9, AR176:8, AR250:8, AR165:8, AR178:7, AR164:7, AR170:7, AR196:7, AR166:7, AR181:7, AR228:6, AR272:6, AR197:6, AR269:6, AR309:5, AR264:5, AR089:5, AR282:5, AR175:5, AR182:5, AR248:5, AR177:5, AR270:5, AR229:5, AR223:5, AR060:5, AR268:5, AR239:5, AR195:5, AR173:5, AR183:5, AR238:4, AR245:4, AR211:4, AR172:4, AR180:4, AR174:4, AR168:4, AR201:4, AR190:4, AR210:4, AR104:4, AR265:4, AR222:4, AR247:4, AR231:4, AR275:4, AR291:4, AR179:4, AR207:4, AR203:4, AR284:4, AR308:4, AR267:4, AR061:4, AR237:4, AR233:4, AR169:4, AR189:4, AR266:4, AR312:4, AR230:4, AR200:4, AR316:4, AR185:4, AR218:4, AR299:4, AR191:4, AR225:4, AR226:3, AR240:3, AR290:3, AR212:3, AR096:3, AR188:3, AR241:3, AR271:3, AR236:3, AR205:3, AR202:3, AR311:3, AR254:3, AR274:3, AR193:3, AR055:3, AR232:3, AR227:3, AR199:3, AR255:3, AR251:3, AR053:3, AR252:3, AR033:3, AR052:3, AR313:3, AR192:3, AR263:3, AR295:3, AR287:3, AR298:3, AR243:3, AR234:3, AR213:3, AR310:3, AR289:3, AR219:3, AR224:3, AR285:3, AR286:3, AR300:3, AR293:3, AR221:2, AR246:2, AR235:2, AR261:2, AR260:2, AR258:2, AR171:2, AR292:2, AR296:2, AR294:2, AR257:2, AR039:2, AR198:2, AR253:2, AR288:2, AR297:2, AR277:2, AR283:2, AR204:2, AR256:2, AR262:2, AR242:1, AR186:1, AR194:1, H0253:7, H0618:6, H0556:2, S0356:2, H0373:2, H0522:2, L0758:2, L0603:2, S0001:1, S0278:1, H0586:1, H0050:1, H0014:1, H0644:1, S0036:1, H0038:1, H0494:1, H0625:1, S0294:1, L0769:1, H0435:1 and H0521:1.
	HGBIB74	838602	404	
	HGBIB74	899864	405	
116	HGLAF75	566838	126	AR196:8, AR191:7, AR269:7, AR215:7, AR180:6, AR188:6, AR270:6, AR223:6, AR173:6, AR198:5, AR176:5, AR178:5, AR268:5, AR055:5, AR165:5, AR175:5, AR181:5, AR266:5, AR161:5, AR162:5, AR264:5, AR183:5, AR060:5, AR174:5, AR164:5, AR291:5, AR163:5, AR172:5, AR182:5, AR189:5, AR201:5, AR166:5, AR261:5, AR089:5, AR313:5, AR193:5, AR177:4, AR246:4, AR255:4, AR216:4, AR285:4, AR179:4, AR257:4, AR217:4, AR170:4, AR221:4, AR290:4, AR299:4, AR252:4, AR200:4, AR267:4, AR262:4, AR235:4, AR185:4, AR240:4, AR238:4, AR233:4, AR295:4, AR316:4, AR168:4, AR190:4, AR218:4, AR271:4, AR236:4, AR296:4, AR096:4, AR287:4, AR199:4, AR293:4, AR272:4, AR242:4, AR297:4, AR243:4, AR294:4, AR195:4, AR300:4, AR169:3, AR224:3, AR253:3, AR282:3, AR203:3, AR239:3, AR033:3, AR288:3, AR309:3, AR171:3, AR222:3, AR211:3, AR312:3, AR275:3, AR231:3, AR232:3, AR192:3, AR247:3, AR260:3, AR228:3,

				AR104:3, AR283:3, AR229:3, AR210:3, AR225:3, AR039:3, AR258:3, AR205:3, AR234:3, AR286:3, AR289:3, AR308:3, AR230:3, AR263:3, AR219:3, AR237:3, AR214:3, AR277:2, AR204:2, AR227:2, AR274:2, AR256:2, AR226:2, AR061:2, AR245:2, AR212:2, AR213:2, AR311:1, H0351:10, L0439:4, L0766:3, L3255:2, L2562:2, L0775:2, L0666:2, L0779:2, L0780:2, L0755:2, L0731:2, H0772:1, L3388:1, H0333:1, H0486:1, H0015:1, H0687:1, S0422:1, L0761:1, L0776:1, L0659:1, L0663:1, H0682:1, S0152:1, L0745:1, L0752:1 and S0026:1.
117	HGLAL82	520261	127	AR221:4, AR231:4, AR192:3, AR264:3, AR266:3, AR170:3, AR252:3, AR162:3, AR180:3, AR197:2, AR270:2, AR171:2, AR225:2, AR250:2, AR161:2, AR163:2, AR255:2, AR277:2, AR204:2, AR183:1, AR282:1, AR257:1, AR216:1, AR214:1, AR236:1, AR271:1, AR223:1, AR165:1, AR190:1, AR309:1, AR289:1, AR261:1, AR288:1, AR164:1, AR217:1, AR179:1, AR195:1, AR203:1, AR269:1, AR233:1, AR239:1, AR201:1, AR061:1, AR205:1, AR181:1, AR193:1, AR089:1, AR294:1, AR039:1, L0667:2, S0114:1, H0351:1, H0318:1, H0615:1 and L0764:1.
118	HHEMA59	823100	128	AR226:23, AR238:16, AR227:15, AR237:11, AR173:9, AR313:8, AR161:8, AR162:7, AR239:7, AR165:7, AR164:7, AR163:7, AR166:7, AR089:7, AR175:6, AR178:6, AR180:5, AR183:5, AR247:5, AR169:5, AR240:4, AR196:4, AR300:4, AR269:4, AR270:4, AR204:4, AR312:4, AR215:4, AR268:4, AR282:4, AR182:4, AR179:4, AR271:4, AR275:4, AR096:4, AR242:4, AR191:4, AR177:4, AR185:4, AR198:4, AR264:4, AR258:4, AR174:3, AR181:3, AR253:3, AR189:3, AR316:3, AR061:3, AR060:3, AR267:3, AR263:3, AR218:3, AR104:3, AR172:3, AR260:3, AR212:3, AR257:3, AR219:3, AR229:3, AR233:3, AR299:3, AR216:3, AR039:3, AR203:3, AR053:3, AR224:2, AR188:2, AR176:2, AR243:2, AR171:2, AR266:2, AR214:2, AR033:2, AR308:2, AR289:2, AR293:2, AR232:2, AR193:2, AR234:2, AR277:2, AR168:2, AR205:2, AR195:2, AR256:2, AR311:2, AR201:2, AR283:2, AR055:1, AR213:1, AR272:1, AR222:1, AR200:1, AR296:1, AR291:1, AR288:1, AR217:1, AR199:1, AR192:1, AR211:1, AR255:1, AR190:1, AR262:1, AR286:1, L0771:5, L0766:4, L0748:4, L0754:4, H0551:3, S0003:2, H0328:2, H0615:2, S0422:2, H0144:2, L0438:2, S0013:2, L0747:2, L0756:2, L0759:2, H0170:1, S6024:1, H0656:1, S0110:1, H0662:1, H0176:1, S0356:1, S0360:1, L0717:1, S6016:1, S0222:1, H0438:1, H0156:1, H0575:1, H0036:1, H0318:1, H0581:1, H0020:1, H0031:1, S0036:1, S0294:1, S0002:1, L0770:1, L0638:1, L0662:1, L0774:1, L0652:1, L0655:1, L0606:1, L0659:1, L0663:1, S0216:1, H0648:1, H0651:1, H0539:1, S0152:1, H0522:1, L0777:1, L0731:1, S0031:1, L0581:1, S0192:1, S0194:1, H0543:1 and H0423:1.
119	HHENV10	562772	129	AR242:3, AR235:3, AR183:3, AR309:3, AR282:3, AR243:2, AR171:2, AR283:1, AR055:1, AR257:1, AR168:1, AR213:1, AR164:1, AR230:1, AR264:1, AR287:1, H0543:2, H0497:1 and H0625:1.
120	HHPEM33	877639	130	AR263:38, AR207:37, AR311:31, AR264:30, AR212:29, AR195:27, AR309:27, AR308:26, AR165:26, AR164:25, AR053:24, AR166:24, AR213:24, AR161:23, AR162:23, AR192:23, AR198:22, AR163:22, AR245:22, AR246:22, AR312:21, AR089:21, AR271:21, AR205:21, AR223:20, AR277:20, AR214:19, AR193:19, AR197:19, AR224:19, AR274:18, AR169:18, AR282:18, AR222:18, AR242:17, AR217:17, AR283:17, AR240:16, AR039:16, AR216:16, AR275:15, AR215:15, AR235:15, AR172:15, AR104:15, AR201:15, AR168:15, AR171:14, AR060:14, AR096:14, AR170:14, AR225:14, AR261:14, AR313:14, AR243:14, AR033:14, AR253:14, AR055:13, AR316:13, AR272:13, AR204:12, AR250:12, AR221:12, AR185:12, AR219:12, AR295:12, AR254:11, AR288:11, AR291:11, AR247:11, AR297:11, AR299:11, AR287:10, AR286:10, AR236:10, AR285:10, AR300:9, AR177:9, AR210:9, AR196:9, AR296:8, AR176:8, AR218:8, AR211:8, AR226:7, AR293:7, AR289:7, AR266:7, AR258:7, AR181:7, AR199:7, AR174:7, AR262:7, AR191:7, AR061:6, AR257:6, AR238:6, AR173:6, AR178:6, AR200:6, AR175:6, AR232:6, AR270:6, AR188:6,

121	HHFBY53	821330	131	AR294:6, AR269:6, AR255:6, AR182:6, AR260:5, AR183:5, AR239:5, AR229:5, AR227:5, AR189:5, AR290:5, AR231:5, AR234:5, AR179:5, AR180:5, AR237:4, AR190:4, AR203:4, AR268:4, AR233:4, AR267:4, AR230:4, AR228:3, L0777:9, H0617:5, S0418:3, H0618:3, H0556:2, H0489:2, H0253:2, H0560:2, L0770:2, L0803:2, L0789:2, S0328:2, H0436:2, H0444:2, H0543:2, H0265:1, H0685:1, S0218:1, H0657:1, S0116:1, H0484:1, S0420:1, S0356:1, S0354:1, S0358:1, S0444:1, S0360:1, H0637:1, L0103:1, S0007:1, H0441:1, H0559:1, H0486:1, H0599:1, H0042:1, H0575:1, H0052:1, H0597:1, H0545:1, H0373:1, H0594:1, H0266:1, T0023:1, H0553:1, H0063:1, H0551:1, H0100:1, H0646:1, H0529:1, L0371:1, L0662:1, L0766:1, L0804:1, L0774:1, L0378:1, L0806:1, L0805:1, L0655:1, L0659:1, L0809:1, L0663:1, H0698:1, H0547:1, S012:1, S0028:1, L0731:1, S0436:1, S0192:1, H0542:1 and H0352:1.
122	HHFGR93	865581	132	AR191:5, AR201:4, AR215:4, AR060:3, AR188:3, AR289:2, AR255:2, AR233:2, AR274:2, AR180:2, AR193:2, AR283:2, AR033:1, AR296:1, AR240:1, AR172:1, AR089:1, AR277:1, AR312:1, AR224:1, AR225:1, AR199:1, AR210:1, AR282:1, S0360:3, H0670:3, H0556:2, H0292:2, H0686:1, H0685:1, S0134:1, S0116:1, H0662:1, H0640:1, S0300:1, H0586:1, H0642:1, L0622:1, L0586:1, H0253:1, H0050:1, H0057:1, T0006:1, L0653:1, L0657:1, L0659:1, L0787:1, L0666:1, L0663:1, H0547:1, H0659:1, H0648:1, H0436:1, L0748:1, L0362:1, L0361:1, H0653:1, H0542:1, H0423:1 and H0422:1.
				AR184:4, AR282:3, AR217:3, AR183:3, AR266:3, AR242:2, AR269:2, AR257:2, AR225:2, AR270:2, AR274:2, AR182:2, AR291:2, AR250:1, AR235:1, AR175:1, AR162:1, AR268:1, AR290:1, AR286:1, AR204:1, AR214:1, AR177:1, AR275:1, AR194:1, AR224:1, AR261:1, AR296:1, AR293:1, AR186:1, AR284:1 L0754:4, L0747:8, H0553:5, L0755:5, L0659:4, H0124:3, H0265:2, H0556:2, H0586:2, H0427:2, H0575:2, H0050:2, L0471:2, H0616:2, H0056:2, L0764:2, L0662:2, L0794:2, L0748:2, L0751:2, L0749:2, L0750:2, H0305:1, S0358:1, S0045:1, S0046:1, H0619:1, H0441:1, H0485:1, S0280:1, H0599:1, H0042:1, H0046:1, H0569:1, H0024:1, H0051:1, H0328:1, H0030:1, H0644:1, H0361:1, H0040:1, H0413:1, S0038:1, L0770:1, L0769:1, L0800:1, L0644:1, L0363:1, L0803:1, L0804:1, L0775:1, L0806:1, L0783:1, L0666:1, L0665:1, H0144:1, S0146:1, H0555:1, S012:1, L0779:1, L0731:1, L0605:1, L0599:1, L0603:1, H0543:1, H0422:1 and H0506:1.
123	HHGCG53	340818	133	AR192:3, AR169:3, AR264:3, AR162:3, AR309:3, AR245:3, AR250:3, AR161:3, AR163:3, AR171:3, AR193:2, AR266:2, AR176:2, AR289:2, AR283:2, AR267:2, AR197:2, AR274:2, AR242:2, AR239:2, AR295:2, AR238:2, AR225:2, AR182:2, AR263:2, AR261:2, AR183:2, AR172:1, AR269:1, AR168:1, AR231:1, AR216:1, AR237:1, AR164:1, AR228:1, AR096:1, AR215:1, AR233:1, AR252:1, AR166:1, AR232:1, AR060:1, AR277:1, AR089:1, AR290:1, AR299:1, AR240:1, AR229:1, AR282:1, AR296:1 H0333:1
124	HHGCM76	662329	134	AR245:8, AR175:7, AR183:6, AR176:6, AR196:6, AR191:6, AR174:6, AR060:5, AR254:5, AR263:5, AR039:5, AR173:5, AR177:5, AR309:5, AR261:5, AR232:4, AR161:4, AR162:4, AR096:4, AR163:4, AR182:4, AR264:4, AR089:4, AR165:4, AR198:4, AR270:4, AR275:4, AR268:4, AR178:4, AR189:4, AR164:4, AR166:3, AR286:3, AR242:3, AR193:3, AR243:3, AR216:3, AR171:3, AR283:3, AR266:3, AR215:3, AR272:3, AR211:3, AR188:3, AR313:3, AR180:3, AR207:3, AR269:3, AR200:3, AR247:3, AR316:3, AR289:3, AR290:3, AR229:3, AR294:3, AR297:3, AR195:3, AR267:3, AR061:3, AR240:3, AR295:3, AR197:3, AR238:3, AR257:3, AR190:3, AR055:3, AR228:2, AR181:2, AR053:2, AR033:2, AR288:2, AR226:2, AR282:2, AR201:2, AR239:2, AR287:2, AR231:2, AR262:2, AR223:2, AR104:2, AR285:2, AR308:2, AR218:2, AR179:2, AR293:2, AR221:2, AR311:2, AR271:2, AR225:2, AR246:2, AR185:2, AR237:2, AR299:2, AR312:2, AR274:2, AR233:2,

				AR199:2, AR227:2, AR219:2, AR300:2, AR213:2, AR256:2, AR296:2, AR234:2, AR291:2, AR172:2, AR205:2, AR252:2, AR230:1, AR203:1, AR255:1, AR214:1, AR258:1, AR224:1, AR260:1, AR277:1, AR210:1 L0803:6, H0052:4, H0036:3, L0665:3, H0574:2, H0559:2, L0763:2, L0809:2, L0791:2, L0666:2, L0663:2, L0748:2, L0745:2, L0747:2, H0624:1, H0265:1, H0657:1, H0381:1, S0045:1, H0550:1, H0614:1, H0587:1, H0333:1, T0040:1, L0022:1, H0575:1, H0564:1, H0068:1, H0509:1, L0769:1, L0637:1, L0643:1, L0764:1, L0662:1, L0804:1, L0806:1, L0527:1, L0783:1, L0382:1, L0664:1, H0144:1, H0690:1, H0682:1, H0670:1, H0694:1, H0626:1, L0743:1, L0777:1, L0780:1, L0755:1, H0343:1 and S0011:1.
125	HHGCM76	383547	407	AR309:11, AR264:11, AR176:10, AR228:9, AR161:9, AR266:9, AR162:9, AR180:9, AR229:9, AR268:8, AR163:8, AR178:8, AR269:8, AR164:8, AR165:8, AR166:8, AR182:8, AR313:8, AR253:8, AR263:7, AR238:7, AR181:7, AR198:7, AR216:7, AR217:7, AR197:7, AR270:7, AR233:7, AR239:7, AR255:6, AR312:6, AR183:6, AR174:6, AR296:6, AR177:6, AR272:6, AR267:6, AR188:6, AR274:6, AR236:6, AR235:6, AR055:6, AR089:6, AR096:6, AR060:6, AR275:6, AR261:6, AR191:6, AR223:6, AR224:5, AR201:5, AR226:5, AR300:5, AR196:5, AR053:5, AR189:5, AR245:5, AR316:5, AR179:5, AR231:5, AR271:5, AR212:5, AR240:5, AR237:5, AR199:5, AR299:5, AR246:5, AR257:5, AR104:5, AR225:5, AR289:5, AR061:5, AR293:4, AR230:4, AR195:4, AR247:4, AR252:4, AR218:4, AR190:4, AR219:4, AR221:4, AR291:4, AR288:4, AR193:4, AR232:4, AR175:4, AR308:4, AR285:4, AR168:4, AR277:4, AR311:4, AR234:4, AR243:4, AR290:4, AR169:4, AR185:4, AR254:4, AR033:3, AR262:3, AR200:3, AR282:3, AR203:3, AR295:3, AR283:3, AR222:3, AR214:3, AR294:3, AR171:3, AR213:3, AR170:3, AR287:3, AR297:3, AR039:3, AR173:3, AR250:3, AR286:3, AR205:3, AR207:2, AR204:2, AR172:2, AR277:2, AR258:2, AR211:1, AR260:1 L0803:6, S0422:4, L0777:4, L0362:4, L0794:3, L0805:3, L0439:3, L0779:3, L0731:3, H0543:3, S0444:2, H0486:2, L0471:2, L0637:2, L0666:2, L0665:2, H0539:2, H0521:2, L0758:2, L0592:2, L0581:2, H0170:1, L3644:1, H0685:1, H0583:1, H0650:1, H0656:1, S0212:1, S0442:1, S0376:1, H0580:1, H0733:1, H0339:1, H0749:1, S0300:1, L0717:1, H0333:1, H0331:1, H0013:1, H0156:1, L0021:1, H0581:1, S0362:1, S0003:1, L0483:1, H0038:1, H0634:1, H0616:1, T0067:1, H0412:1, H0641:1, S0142:1, L0598:1, L3905:1, L0646:1, L0662:1, L5564:1, L0774:1, L0651:1, L0776:1, L0607:1, L0527:1, L0657:1, L0659:1, L5622:1, L0788:1, L0791:1, L0793:1, L0663:1, H0144:1, S0310:1, L0438:1, L3828:1, H0435:1, H0658:1, H0670:1, S0328:1, S0330:1, L0745:1, L0747:1, L0749:1, L0756:1, L0759:1, S0260:1, H0445:1, S0436:1, L0599:1 and S0194:1.
126	HHDPX20	610321	136	AR201:4, AR195:2, AR224:2, AR263:2, AR311:2, AR168:2, AR247:2, AR223:2, AR055:2, AR216:2, AR261:2, AR172:2, AR214:2, AR060:2, AR296:2, AR231:2, AR282:2, AR033:1, AR217:1, AR238:1, AR225:1, AR210:1 S0222:1 and H0051:1.
127	HHPEN62	695134	137	AR196:528, AR310:360, AR218:326, AR052:317, AR219:315, AR194:272, AR211:264, AR206:250, AR202:237, AR205:232, AR265:232, AR244:224, AR053:218, AR184:208, AR246:207, AR241:203, AR284:198, AR309:192, AR186:185, AR263:184, AR273:173, AR280:170, AR298:170, AR243:168, AR247:157, AR315:155, AR312:152, AR311:150, AR314:145, AR281:140, AR039:139, AR182:139, AR275:137, AR271:130, AR313:130, AR185:128, AR177:121, AR213:121, AR204:120, AR104:118, AR300:116, AR274:115, AR210:115, AR245:112, AR229:112, AR240:112, AR299:112, AR055:112, AR308:112, AR061:112, AR207:109, AR096:108, AR290:107, AR237:107, AR316:106, AR248:104, AR264:100, AR193:99, AR198:99, AR292:99, AR268:96, AR033:95, AR249:94, AR231:94,

128	HHPGO40	1299927	138	<p>AR197:94, AR188:94, AR259:93, AR233:92, AR222:92, AR179:90, AR251:88, AR192:88, AR227:87, AR267:86, AR269:84, AR232:84, AR195:82, AR060:81, AR200:80, AR270:80, AR223:80, AR272:79, AR089:77, AR172:76, AR175:76, AR253:74, AR250:74, AR234:74, AR282:72, AR212:70, AR242:69, AR201:67, AR199:66, AR176:66, AR180:64, AR294:64, AR178:64, AR189:62, AR181:60, AR289:59, AR283:59, AR291:58, AR169:57, AR285:56, AR171:55, AR226:55, AR236:54, AR183:53, AR256:52, AR266:50, AR174:50, AR295:49, AR293:49, AR191:47, AR173:47, AR286:47, AR190:47, AR254:46, AR221:46, AR225:46, AR238:45, AR170:43, AR258:42, AR163:41, AR224:39, AR235:39, AR277:39, AR168:38, AR296:37, AR203:37, AR166:34, AR161:34, AR262:34, AR164:32, AR162:32, AR165:31, AR255:30, AR288:28, AR261:25, AR260:20, AR217:20, AR230:17, AR297:15, AR252:15, AR287:15, AR214:14, AR228:13, AR239:12, AR216:12, AR215:11, AR257:11, L0766:7, L0731:7, H0457:6, H0051:6, L0754:6, L0803:4, L0666:4, H0140:3, S0474:3, H0052:3, L0157:3, L0662:3, L0659:3, L5622:3, L0758:3, H0657:2, S0140:2, S0010:2, H0628:2, S0036:2, H0100:2, S0112:2, L0332:2, L0438:2, H0547:2, L0743:2, S0242:2, H0542:2, H0422:2, H0265:1, H0656:1, S0282:1, S0444:1, S0360:1, S0408:1, H0735:1, H0749:1, L0463:1, H0351:1, H0261:1, H0438:1, H0586:1, H0635:1, H0599:1, H0318:1, H0581:1, H0251:1, H0327:1, H0545:1, H0046:1, L0471:1, S0051:1, H0375:1, H0622:1, T0006:1, H0553:1, H0598:1, H0163:1, H0040:1, H0551:1, L0564:1, H0334:1, H0561:1, S0440:1, H0529:1, L0800:1, L0794:1, L0651:1, L0805:1, L0655:1, L0606:1, L0527:1, L0635:1, L0382:1, L0809:1, L0792:1, L0663:1, S0216:1, H0144:1, H0520:1, H0519:1, S0328:1, S0380:1, S0404:1, H0436:1, S0392:1, S0028:1, L0745:1, L0779:1, L0777:1, L0752:1, S0260:1, L0480:1, S0026:1, H0665:1, S0192:1, S0194:1, H0423:1, S0424:1 and H0506:1.</p> <p>AR244:5, AR202:5, AR273:5, AR194:4, AR176:4, AR253:4, AR214:4, AR206:4, AR309:3, AR235:3, AR186:3, AR251:3, AR052:3, AR222:3, AR224:3, AR204:3, AR282:3, AR289:3, AR248:3, AR215:3, AR284:3, AR181:3, AR269:3, AR180:2, AR312:2, AR246:2, AR277:2, AR061:2, AR182:2, AR162:2, AR184:2, AR163:2, AR296:2, AR198:2, AR161:2, AR223:2, AR291:2, AR298:2, AR171:2, AR267:2, AR229:2, AR055:2, AR297:2, AR225:2, AR265:2, AR285:2, AR193:2, AR228:2, AR270:2, AR292:2, AR183:2, AR261:2, AR033:2, AR290:2, AR268:2, AR169:2, AR310:2, AR266:2, AR271:2, AR205:2, AR264:2, AR286:2, AR192:2, AR247:2, AR053:2, AR240:2, AR060:2, AR287:2, AR293:2, AR257:2, AR239:2, AR213:1, AR178:1, AR294:1, AR237:1, AR177:1, AR275:1, AR089:1, AR288:1, AR300:1, AR175:1, AR283:1, AR238:1, AR272:1, AR274:1, AR173:1, AR231:1, AR236:1, AR233:1, AR185:1, AR313:1, AR104:1, AR179:1, AR259:1, AR234:1, AR295:1, AR096:1, AR299:1, AR230:1, AR243:1, AR199:1, H0521:17, H0522:12, S0114:3, S0116:3, H0402:2, H0634:2, S0440:2, H0547:2, S0292:2, L0756:2, H0265:1, H0556:1, H0686:1, S0134:1, S0218:1, L0785:1, H0254:1, H0638:1, H0637:1, H0747:1, H0370:1, H0559:1, H0490:1, H0485:1, H0635:1, S0474:1, H0581:1, H0421:1, H0597:1, H0620:1, H0051:1, H0083:1, H0252:1, H0063:1, H0059:1, H0625:1, L0667:1, L0768:1, L0653:1, L0659:1, L0783:1, L2260:1, H0702:1, H0701:1, H0539:1, H0518:1, H0727:1, L0366:1, H0543:1 and H0423:1.</p>
	HHPGO40	753270	408	
	HHPGO40	560969	409	
129	HHSDX28	553494	139	<p>AR161:5, AR163:5, AR162:5, AR176:4, AR269:4, AR266:4, AR173:4, AR267:4, AR165:4, AR178:4, AR183:4, AR264:4, AR164:3, AR225:3, AR228:3, AR166:3, AR229:3, AR180:3, AR233:3, AR182:3, AR270:3, AR240:3, AR217:3, AR230:3, AR196:3, AR257:3, AR089:3, AR242:3, AR313:3, AR262:3, AR247:3, AR309:3, AR239:3, AR177:3, AR300:3, AR175:3, AR226:3, AR268:3, AR181:3, AR296:3, AR293:3, AR221:3, AR236:2, AR222:2, AR255:2, AR179:2, AR238:2, AR289:2,</p>

				AR096:2, AR231:2, AR234:2, AR199:2, AR223:2, AR237:2, AR286:2, AR227:2, AR060:2, AR203:2, AR191:2, AR288:2, AR316:2, AR290:2, AR275:2, AR287:2, AR061:2, AR277:2, AR294:2, AR197:2, AR261:2, AR250:2, AR174:2, AR188:2, AR189:2, AR168:2, AR282:2, AR272:2, AR274:2, AR258:2, AR190:2, AR291:2, AR200:2, AR295:2, AR311:2, AR299:2, AR210:1, AR055:1, AR285:1, AR212:1, AR185:1, AR193:1, AR104:1, AR216:1, AR219:1, AR297:1, AR253:1, AR218:1, AR260:1, AR254:1 S0051:1 and H0445:1.
130	HILCF66	636025	140	AR277:12, AR235:3, AR224:3, AR309:3, AR245:3, AR282:2, AR171:2, AR222:2, AR271:2, AR283:2, AR225:2, AR264:2, AR163:1, AR168:1, AR162:1, AR257:1, AR183:1, AR221:1, AR089:1, AR161:1, AR192:1 L0794:2, T0002:1, H0685:1, H0638:1, L0586:1, T0010:1, L0055:1, S0440:1, L0662:1, H0519:1, S0378:1, S0406:1, L0748:1, L0750:1, L0756:1 and L0731:1.
131	HJABB94	456466	141	AR176:9, AR225:9, AR221:8, AR295:8, AR170:8, AR264:8, AR178:8, AR288:7, AR291:7, AR180:7, AR215:7, AR175:7, AR275:7, AR297:7, AR224:7, AR268:7, AR293:7, AR228:7, AR269:6, AR309:6, AR270:6, AR263:6, AR285:6, AR296:6, AR267:6, AR282:6, AR162:6, AR239:6, AR173:6, AR311:6, AR161:5, AR231:5, AR266:5, AR181:5, AR207:5, AR182:5, AR163:5, AR183:5, AR053:5, AR238:5, AR289:5, AR217:5, AR213:5, AR229:5, AR274:5, AR286:5, AR177:5, AR290:5, AR237:5, AR287:5, AR033:5, AR226:5, AR294:5, AR277:5, AR196:5, AR212:4, AR179:4, AR235:4, AR216:4, AR055:4, AR223:4, AR233:4, AR260:4, AR316:4, AR211:4, AR283:4, AR171:4, AR312:4, AR192:4, AR256:4, AR227:4, AR261:4, AR190:4, AR230:4, AR104:4, AR300:4, AR240:4, AR060:4, AR174:4, AR169:3, AR198:3, AR222:3, AR218:3, AR191:3, AR199:3, AR210:3, AR189:3, AR271:3, AR195:3, AR313:3, AR219:3, AR039:3, AR232:3, AR188:3, AR096:3, AR089:3, AR185:3, AR200:3, AR172:3, AR166:3, AR234:3, AR168:3, AR165:3, AR164:3, AR258:3, AR257:3, AR299:3, AR308:2, AR201:2, AR243:2, AR193:2, AR203:2, AR061:2, AR247:2, AR255:2, AR262:2, AR272:2, AR236:2, AR242:1, AR254:1 H0624:1, S0360:1, H0586:1, L0021:1, T0041:1 and L0779:1.
132	HJACG02	1307789	142	AR207:37, AR195:33, AR283:32, AR263:32, AR264:29, AR223:28, AR214:28, AR089:28, AR277:27, AR222:27, AR309:27, AR311:27, AR212:26, AR169:26, AR316:25, AR224:24, AR096:24, AR055:24, AR197:23, AR213:23, AR282:22, AR104:22, AR245:22, AR171:22, AR218:22, AR162:22, AR192:21, AR217:21, AR161:21, AR193:21, AR163:20, AR308:20, AR165:20, AR168:20, AR216:20, AR170:20, AR164:20, AR235:19, AR172:19, AR053:19, AR166:19, AR060:19, AR219:19, AR242:19, AR271:19, AR299:19, AR210:19, AR039:19, AR033:19, AR240:18, AR225:18, AR313:18, AR312:18, AR201:18, AR221:18, AR261:17, AR198:17, AR246:17, AR288:17, AR252:17, AR295:17, AR176:16, AR177:16, AR215:15, AR297:15, AR253:15, AR205:15, AR270:15, AR196:15, AR185:15, AR275:15, AR286:15, AR285:14, AR260:14, AR287:14, AR233:14, AR236:14, AR183:14, AR227:13, AR175:13, AR211:13, AR300:13, AR250:13, AR294:13, AR181:13, AR274:13, AR272:13, AR229:13, AR174:12, AR256:12, AR182:12, AR234:12, AR204:12, AR269:12, AR228:12, AR293:12, AR178:12, AR226:12, AR268:11, AR266:11, AR173:11, AR262:11, AR200:11, AR243:11, AR199:11, AR258:11, AR231:11, AR291:11, AR180:11, AR289:11, AR247:11, AR239:10, AR257:10, AR267:10, AR255:10, AR188:10, AR254:10, AR203:10, AR232:10, AR238:9, AR191:9, AR189:9, AR190:9, AR061:9, AR230:9, AR296:9, AR179:9, AR290:8, AR237:7 S0442:4, L0764:4, S0408:3, H0306:2, H0263:2, H0596:2, L0800:2, L0755:2, S0116:1, S0358:1, H0489:1, H0597:1, T0041:1 and L0772:1.
	HJACG02	509948	410	
133	HJACG30	895505	143	AR263:8, AR165:8, AR250:8, AR162:7, AR161:7, AR205:7, AR196:7, AR166:7, AR164:7, AR215:7, AR163:7, AR192:7,

				AR198:7, AR235:7, AR245:6, AR264:6, AR270:6, AR207:6, AR309:6, AR246:6, AR174:5, AR223:5, AR269:5, AR168:5, AR243:5, AR224:5, AR180:5, AR311:5, AR183:5, AR308:5, AR254:5, AR173:5, AR177:5, AR268:5, AR242:5, AR179:5, AR312:5, AR176:5, AR175:5, AR291:5, AR221:5, AR181:5, AR285:4, AR170:4, AR275:4, AR295:4, AR053:4, AR271:4, AR191:4, AR288:4, AR204:4, AR316:4, AR274:4, AR199:4, AR055:4, AR266:4, AR210:4, AR236:4, AR217:4, AR240:4, AR188:4, AR189:4, AR257:4, AR247:4, AR213:4, AR178:4, AR039:4, AR222:4, AR225:4, AR182:4, AR297:4, AR201:4, AR212:4, AR252:4, AR296:4, AR261:4, AR286:3, AR253:3, AR060:3, AR294:3, AR237:3, AR282:3, AR267:3, AR262:3, AR290:3, AR172:3, AR287:3, AR299:3, AR231:3, AR289:3, AR197:3, AR193:3, AR293:3, AR255:3, AR190:3, AR200:3, AR228:3, AR033:3, AR313:3, AR211:3, AR258:3, AR300:3, AR089:3, AR238:3, AR185:3, AR233:3, AR229:3, AR277:3, AR226:3, AR239:3, AR230:3, AR234:2, AR214:2, AR260:2, AR096:2, AR061:2, AR195:2, AR219:2, AR203:2, AR256:2, AR272:2, AR232:2, AR227:2, AR218:1, AR283:1, AR104:1, AR169:1 H0069:3, T0041:2, H0436:2, H0318:1, L4747:1, L0646:1, L0766:1 and L0803:1.
	HJACG30	821341	411	
	HJACG30	774300	412	
134	HJBCY35	719729	144	AR215:11, AR291:11, AR225:10, AR217:9, AR216:8, AR296:8, AR214:8, AR297:8, AR266:7, AR183:7, AR257:7, AR223:7, AR170:7, AR269:7, AR287:7, AR221:6, AR270:6, AR171:6, AR182:6, AR286:6, AR169:6, AR172:6, AR294:6, AR176:6, AR235:6, AR163:5, AR295:5, AR161:5, AR168:5, AR255:5, AR162:5, AR224:5, AR285:5, AR293:5, AR268:5, AR289:5, AR288:5, AR263:5, AR264:5, AR165:4, AR173:4, AR260:4, AR262:4, AR175:4, AR164:4, AR179:4, AR055:4, AR104:4, AR222:4, AR166:4, AR060:4, AR181:4, AR242:4, AR313:4, AR283:4, AR258:4, AR240:4, AR311:4, AR290:3, AR180:3, AR282:3, AR247:3, AR231:3, AR316:3, AR267:3, AR233:3, AR228:3, AR300:3, AR236:3, AR177:3, AR096:3, AR212:3, AR256:3, AR275:3, AR237:3, AR185:3, AR239:3, AR245:3, AR229:3, AR039:3, AR238:3, AR234:3, AR191:3, AR190:2, AR199:2, AR089:2, AR178:2, AR277:2, AR189:2, AR174:2, AR205:2, AR309:2, AR061:2, AR274:2, AR227:2, AR261:2, AR188:2, AR218:2, AR272:2, AR219:2, AR312:2, AR196:2, AR195:2, AR232:2, AR200:2, AR211:2, AR230:2, AR203:1, AR210:1, AR226:1, AR033:1, AR252:1 H0618:16, H0617:13, H0253:11, H0457:6, L0766:6, L0769:5, H0255:4, H0559:4, H0181:4, L0748:4, H0170:3, S0051:3, H0622:3, L0770:3, L0653:3, L0743:3, L0779:3, H0341:2, H0484:2, S0049:2, H0620:2, H0424:2, H0135:2, H0040:2, H0059:2, H0100:2, T0042:2, S0002:2, L0758:2, L0588:2, H0171:1, S0134:1, H0650:1, H0657:1, H0656:1, S0116:1, L0534:1, H0637:1, S0026:1, S0300:1, L0717:1, H0549:1, H0550:1, S6014:1, H0333:1, L2504:1, L0427:1, L0021:1, H0599:1, H0545:1, H0150:1, L0157:1, S0050:1, H0355:1, H0252:1, L0483:1, H0068:1, S0036:1, H0038:1, H0087:1, H0272:1, H0623:1, T0041:1, L4747:1, L3904:1, L3905:1, L0761:1, L0645:1, L0648:1, L0662:1, L0768:1, L0774:1, L0776:1, L0658:1, L4669:1, L0659:1, L0382:1, L0665:1, L2257:1, L2260:1, H0547:1, H0711:1, H0670:1, H0672:1, S0350:1, H0696:1, H0704:1, L0744:1, L0439:1, L0749:1, L0777:1, L0780:1, L0731:1, L0757:1, S0436:1, S0276:1 and H0543:1.
135	HJMBI18	545492	145	AR214:33, AR222:32, AR169:27, AR235:25, AR224:25, AR223:25, AR207:24, AR168:21, AR195:21, AR213:20, AR217:20, AR170:20, AR172:20, AR171:19, AR212:19, AR216:19, AR263:17, AR165:17, AR225:16, AR196:16, AR164:16, AR215:16, AR221:16, AR308:15, AR089:15, AR166:15, AR309:15, AR311:15, AR295:15, AR242:14, AR192:14, AR245:14, AR177:13, AR053:13, AR312:13, AR252:12, AR197:12, AR288:12, AR198:12, AR161:12, AR162:12, AR210:12, AR271:11, AR264:11, AR163:11, AR253:11, AR033:11, AR316:11, AR282:11,

136	HJMBM38	545752	146	AR236:10, AR193:10, AR240:10, AR277:10, AR060:10, AR211:10, AR285:10, AR181:10, AR174:10, AR299:10, AR039:9, AR185:9, AR188:9, AR199:9, AR246:9, AR297:9, AR205:9, AR313:9, AR096:9, AR291:9, AR229:8, AR219:8, AR201:8, AR283:8, AR272:8, AR175:8, AR218:8, AR238:8, AR055:8, AR189:8, AR296:8, AR250:8, AR200:7, AR254:7, AR286:7, AR300:7, AR293:7, AR247:7, AR262:7, AR227:7, AR226:7, AR287:7, AR289:7, AR239:7, AR232:7, AR231:7, AR243:7, AR173:7, AR191:7, AR204:6, AR258:6, AR275:6, AR104:6, AR230:6, AR257:6, AR190:6, AR180:6, AR237:6, AR178:6, AR183:6, AR234:5, AR270:5, AR255:5, AR274:5, AR294:5, AR260:5, AR256:5, AR203:5, AR290:5, AR061:5, AR179:5, AR269:4, AR228:4, AR266:4, AR268:4, AR176:4, AR233:4, AR182:4, AR267:3, L0803:3, L0805:3, L0439:3, H0341:2, L0483:2, L0663:2, H0520:2, S0380:2, L0411:1, S0418:1, H0574:1, H0427:1, H0545:1, H0009:1, S0051:1, H0623:1, L0770:1, L0769:1, L0764:1, L0766:1, L0776:1, L0783:1, L0438:1, H0651:1, L0748:1, L0740:1, L0754:1, L0745:1, L0756:1, L0779:1, L0758:1, L0591:1, L0592:1, H0543:1 and H0293:1.
137	HJPAD75	651337	147	AR169:7, AR225:6, AR207:6, AR192:5, AR165:5, AR164:5, AR183:5, AR168:4, AR214:4, AR166:4, AR253:4, AR196:4, AR223:4, AR162:4, AR161:4, AR163:4, AR224:4, AR222:4, AR240:4, AR261:4, AR089:4, AR216:3, AR177:3, AR309:3, AR221:3, AR291:3, AR217:3, AR205:3, AR212:3, AR178:3, AR289:3, AR269:3, AR096:3, AR170:3, AR283:3, AR039:3, AR264:3, AR203:3, AR282:3, AR188:3, AR171:3, AR268:3, AR235:3, AR308:3, AR296:3, AR295:3, AR238:3, AR313:3, AR297:3, AR181:3, AR060:3, AR270:3, AR234:2, AR263:2, AR316:2, AR255:2, AR285:2, AR211:2, AR236:2, AR200:2, AR288:2, AR286:2, AR189:2, AR176:2, AR193:2, AR055:2, AR175:2, AR191:2, AR277:2, AR174:2, AR293:2, AR262:2, AR172:2, AR290:2, AR231:2, AR230:2, AR173:2, AR201:2, AR311:2, AR247:2, AR219:2, AR312:2, AR287:2, AR227:2, AR179:2, AR104:2, AR229:2, AR274:2, AR228:2, AR257:2, AR232:2, AR190:2, AR258:2, AR266:2, AR033:2, AR239:2, AR272:2, AR237:2, AR204:2, AR233:2, AR053:2, AR061:2, AR185:2, AR182:1, AR213:1, AR299:1, AR300:1, AR252:1, AR199:1, AR267:1, AR294:1, AR218:1, AR226:1, H0424:3, H0545:2, L0809:2, S0212:1, H0255:1, S0278:1, H0587:1, H0559:1, H0188:1, H0087:1, H0551:1, H0529:1, L0769:1, L0761:1, L0646:1, L0764:1, L0363:1, L0794:1, L0659:1, L0783:1, L0787:1, L0665:1, H0660:1, S0328:1, H0521:1, L0777:1, S0192:1 and H0422:1.
138	HJPCP42	1040297	148	AR277:7, AR215:2, AR282:2, AR246:2, AR225:2, AR290:2, AR213:2, AR172:2, AR261:1, AR266:1, AR162:1, AR165:1, AR257:1, AR230:1, AR168:1, AR182:1, AR166:1, AR252:1, AR196:1, AR295:1, AR270:1, AR177:1, AR285:1, AR195:1, AR291:1, AR217:1, AR161:1, AR256:1, H0556:6, L0769:4, L0771:4, H0265:3, L0764:3, H0083:2, S0142:2, L0794:2, L0803:2, L0789:2, L0792:2, L0438:2, L0754:2, L0747:2, L0749:2, L0757:2, S0356:1, S0444:1, S0360:1, H0013:1, S0010:1, H0421:1, H0263:1, H0596:1, L0157:1, L0471:1, H0553:1, H0628:1, H0090:1, H0561:1, S0372:1, L2270:1, S0422:1, L0667:1, L0768:1, L0776:1, L0809:1, H0658:1, H0648:1, S0330:1, H0521:1, H0134:1, S0027:1, L0748:1, L0756:1, L0755:1, L0731:1, S0434:1, L0592:1 and H0542:1.
	HJPCP42	844091	413	L0749:5, L0776:4, L0748:3, L0764:2, L0439:2, H0341:1, H0083:1, H0266:1, H0022:1, L0773:1, L0662:1, L0626:1, L0363:1, L0655:1, L0789:1, H0134:1, L0747:1, L0777:1, L0755:1, H0445:1 and H0677:1.
	HJPCP42	852573	414	
	HJPCP42	824612	415	
139	HKABI84	565078	149	AR271:11, AR242:9, AR216:8, AR253:7, AR225:7, AR214:7, AR205:7, AR195:6, AR165:6, AR207:6, AR296:6, AR164:6, AR198:6, AR089:6, AR254:6, AR224:6, AR250:6, AR166:6, AR217:6, AR309:6, AR212:6, AR245:6, AR192:6, AR263:6,

140	HKABZ65	862030	<p>AR215:6, AR221:6, AR312:5, AR162:5, AR196:5, AR308:5, AR161:5, AR096:5, AR299:5, AR163:5, AR246:5, AR213:5, AR313:5, AR243:5, AR053:5, AR193:5, AR222:5, AR264:5, AR223:5, AR311:5, AR060:5, AR204:4, AR197:4, AR188:4, AR274:4, AR261:4, AR175:4, AR201:4, AR172:4, AR285:4, AR189:4, AR316:4, AR039:4, AR169:4, AR171:4, AR173:4, AR300:4, AR268:4, AR282:4, AR176:4, AR199:4, AR104:4, AR033:4, AR168:4, AR235:4, AR190:4, AR200:4, AR240:4, AR295:3, AR288:3, AR257:3, AR277:3, AR252:3, AR291:3, AR297:3, AR203:3, AR238:3, AR286:3, AR177:3, AR294:3, AR174:3, AR289:3, AR191:3, AR183:3, AR210:3, AR283:3, AR185:3, AR180:3, AR255:3, AR178:3, AR247:3, AR290:3, AR262:3, AR269:3, AR230:3, AR293:3, AR270:3, AR287:2, AR226:2, AR181:2, AR258:2, AR275:2, AR219:2, AR267:2, AR218:2, AR239:2, AR179:2, AR232:2, AR234:2, AR272:2, AR237:2, AR229:2, AR231:2, AR061:2, AR233:2, AR236:2, AR228:2, AR182:2, AR227:1, AR256:1, AR266:1, AR260:1, AR170:1, L0794:9, L0777:6, L0809:4, L0779:4, L0731:4, L0766:3, L0666:3, L0663:3, L3825:3, H0547:3, S0444:2, L3459:2, L3480:2, L3817:2, L0483:2, L0770:2, L0521:2, L0768:2, L0803:2, L0775:2, L0805:2, L0661:2, L0665:2, H0144:2, L3827:2, L3828:2, H0658:2, H0670:2, S0406:2, L0439:2, L0754:2, L0749:2, L0756:2, H0543:2, H0556:1, H0657:1, H0662:1, S0360:1, L3262:1, L2799:1, H0411:1, S0278:1, H0443:1, H0550:1, L3816:1, T0039:1, L3499:1, L2647:1, H0013:1, H0427:1, H0575:1, S0474:1, H0052:1, H0591:1, H0038:1, H0040:1, H0616:1, H0264:1, S0440:1, H0649:1, H0598:1, H0529:1, L0369:1, L0640:1, L3904:1, L0662:1, L0804:1, L0375:1, L0378:1, L0806:1, L0653:1, L0776:1, L0807:1, L0788:1, L0664:1, L2259:1, L2654:1, L3812:1, S0126:1, H0689:1, H0435:1, H0539:1, H0696:1, S0176:1, H0555:1, H0785:1, L0747:1, L0755:1, L0757:1, L0758:1, L0608:1, L0362:1, S0026:1, S0424:1 and L3808:1.</p>
140	HKABZ65	862030	<p>AR313:41, AR242:32, AR039:28, AR165:25, AR163:25, AR164:24, AR161:24, AR162:24, AR166:24, AR089:24, AR096:23, AR173:22, AR196:20, AR193:20, AR299:20, AR300:20, AR258:20, AR180:19, AR175:19, AR178:18, AR240:18, AR229:18, AR234:18, AR185:17, AR247:17, AR218:17, AR262:17, AR179:16, AR285:16, AR183:16, AR269:16, AR293:15, AR174:15, AR199:15, AR182:15, AR238:14, AR191:14, AR296:14, AR236:14, AR257:14, AR316:14, AR270:14, AR226:13, AR219:13, AR297:13, AR277:13, AR264:12, AR200:12, AR312:12, AR195:12, AR213:12, AR192:12, AR203:12, AR268:12, AR212:12, AR294:12, AR290:10, AR188:10, AR204:10, AR053:9, AR287:9, AR177:11, AR189:11, AR233:11, AR260:10, AR231:10, AR198:10, AR290:10, AR188:10, AR204:10, AR053:9, AR287:9, AR288:9, AR255:9, AR295:9, AR033:9, AR261:9, AR282:9, AR104:9, AR245:9, AR243:9, AR235:9, AR228:8, AR308:8, AR263:8, AR275:8, AR291:8, AR201:8, AR274:8, AR237:7, AR197:7, AR239:7, AR224:7, AR311:7, AR176:7, AR267:7, AR172:7, AR256:7, AR223:7, AR205:7, AR171:6, AR227:6, AR168:6, AR214:6, AR207:6, AR169:6, AR225:6, AR252:6, AR250:6, AR271:6, AR215:6, AR170:6, AR221:6, AR309:5, AR283:5, AR266:5, AR254:5, AR222:5, AR190:5, AR210:5, AR216:5, AR217:5, AR232:5, AR055:5, AR289:4, AR253:4, AR246:4, AR272:3, AR061:2, H0494:1</p>
	HKABZ65	665424	416
141	HKACB56	554616	<p>AR223:8, AR235:8, AR263:7, AR222:7, AR170:7, AR221:7, AR207:7, AR216:7, AR169:7, AR224:7, AR168:7, AR171:7, AR311:7, AR198:7, AR309:7, AR214:6, AR225:6, AR053:6, AR197:6, AR212:6, AR215:6, AR089:6, AR264:6, AR245:6, AR205:5, AR217:5, AR165:5, AR163:5, AR161:5, AR162:5, AR164:5, AR166:5, AR275:5, AR308:5, AR213:5, AR172:5, AR312:4, AR277:4, AR274:4, AR246:4, AR196:4, AR060:4, AR271:4, AR282:4, AR195:4, AR295:4, AR261:4, AR269:4, AR230:4, AR316:4, AR181:4, AR288:4, AR176:4, AR055:3, AR240:3, AR204:3, AR297:3, AR283:3, AR313:3, AR177:3, AR210:3, AR285:3, AR242:3, AR296:3, AR039:3, AR199:3, AR096:3, AR173:3, AR272:3, AR236:3, AR200:3, AR252:3,</p>

142	HKACD58	1352202	152	AR254:3, AR238:3, AR175:3, AR291:3, AR193:3, AR299:3, AR247:3, AR191:3, AR033:3, AR188:3, AR286:3, AR289:3, AR300:3, AR185:3, AR201:3, AR174:3, AR270:3, AR262:3, AR237:2, AR293:2, AR104:2, AR232:2, AR287:2, AR294:2, AR178:2, AR189:2, AR229:2, AR234:2, AR226:2, AR239:2, AR061:2, AR182:2, AR290:2, AR203:2, AR227:2, AR255:2, AR183:2, AR190:2, AR233:2, AR211:2, AR231:2, AR257:2, AR267:2, AR228:2, AR243:2, AR258:2, AR256:2, AR179:1, AR218:1, AR268:1, AR219:1, AR192:1, AR180:1, AR253:1, H0494:4, L0045:1 and L0806:1. AR261:30, AR235:29, AR283:29, AR297:20, AR291:17, AR285:16, AR286:15, AR295:13, AR183:13, AR269:13, AR287:12, AR258:11, AR268:11, AR266:11, AR289:10, AR161:10, AR162:10, AR288:10, AR236:10, AR260:10, AR165:10, AR163:10, AR166:9, AR207:9, AR164:9, AR270:9, AR282:9, AR277:8, AR223:8, AR214:8, AR243:8, AR215:8, AR224:8, AR296:8, AR096:8, AR039:8, AR172:8, AR221:8, AR192:8, AR316:8, AR182:8, AR104:8, AR089:8, AR222:8, AR293:7, AR173:7, AR176:7, AR255:7, AR169:7, AR171:7, AR311:7, AR257:7, AR313:7, AR225:7, AR245:7, AR254:7, AR180:7, AR211:7, AR262:7, AR195:7, AR290:6, AR240:6, AR175:6, AR179:6, AR217:6, AR247:6, AR256:6, AR055:6, AR309:6, AR168:6, AR300:6, AR294:6, AR197:6, AR219:6, AR263:6, AR299:6, AR242:6, AR216:6, AR060:5, AR238:5, AR267:5, AR185:5, AR250:5, AR264:5, AR181:5, AR234:5, AR053:5, AR199:5, AR275:5, AR178:5, AR308:5, AR033:5, AR274:5, AR193:5, AR177:5, AR218:5, AR174:4, AR213:4, AR170:4, AR246:4, AR212:4, AR312:4, AR198:4, AR253:4, AR205:4, AR271:4, AR189:4, AR191:4, AR210:4, AR239:3, AR237:3, AR252:3, AR196:3, AR190:3, AR233:3, AR231:3, AR227:3, AR061:3, AR226:3, AR230:3, AR272:3, AR229:3, AR204:3, AR232:3, AR203:3, AR200:3, AR188:2, AR228:2, S0360:12, S0436:3, S0194:3, S0114:2, H0483:2, S0408:2, L3504:2, H0575:2, H0581:2, S0344:2, L2262:2, H0519:2, L0754:2, H0139:1, L2884:1, H0657:1, H0656:1, S0420:1, S0356:1, S0410:1, L2333:1, H0151:1, S0046:1, L3127:1, H0549:1, H0613:1, H0427:1, H0546:1, H0081:1, H0355:1, S0312:1, H0032:1, H0383:1, H0551:1, H0264:1, T0042:1, H0494:1, H0386:1, H0509:1, H0649:1, S0210:1, L0646:1, L0804:1, L0805:1, L0809:1, L5622:1, L2651:1, L2265:1, L2702:1, H0682:1, H0435:1, H0670:1, H0672:1, H0521:1, H0696:1, H0134:1, S0206:1, L0741:1, L0743:1, L0744:1, L0756:1, L0596:1, L0581:1, L0593:1, L0595:1, L0366:1, S0242:1, S0196:1, H0423:1 and H0506:1.
	HKACD58	552465	417	
143	HKACH44	545015	153	AR207:29, AR263:28, AR311:26, AR264:24, AR235:24, AR223:22, AR196:22, AR212:22, AR261:21, AR195:21, AR309:21, AR192:21, AR222:20, AR198:19, AR245:19, AR224:19, AR214:18, AR213:18, AR246:18, AR169:18, AR217:18, AR295:17, AR168:17, AR236:17, AR201:17, AR172:17, AR053:17, AR171:17, AR197:17, AR221:17, AR163:17, AR170:16, AR177:16, AR216:16, AR193:16, AR288:16, AR165:16, AR215:15, AR089:15, AR312:15, AR285:15, AR055:15, AR164:15, AR240:15, AR286:15, AR282:15, AR161:14, AR225:14, AR272:14, AR162:14, AR297:14, AR308:14, AR033:13, AR271:13, AR039:13, AR199:12, AR252:12, AR316:12, AR218:12, AR275:12, AR210:12, AR174:12, AR211:12, AR250:12, AR060:11, AR291:11, AR277:11, AR205:11, AR287:11, AR283:11, AR188:11, AR258:11, AR293:11, AR242:11, AR189:10, AR299:10, AR183:10, AR200:10, AR262:10, AR289:10, AR234:10, AR176:10, AR191:9, AR253:9, AR181:9, AR096:9, AR175:9, AR185:9, AR296:9, AR219:9, AR204:9, AR190:9, AR247:9, AR268:9, AR300:9, AR243:9, AR232:9, AR166:9, AR239:9, AR313:8, AR173:8, AR274:8, AR226:8, AR203:8, AR269:8, AR233:8, AR104:8, AR255:8, AR227:8, AR229:8, AR260:8, AR294:8, AR178:7, AR257:7, AR180:7, AR231:7, AR238:7, AR230:7, AR254:7, AR179:7, AR290:6, AR270:6, AR266:6, AR061:6, AR256:6, AR228:6, AR182:6, AR237:6, AR267:5, L0769:3, L0809:2, L0750:2, H0663:1, S0356:1, S0360:1, S0278:1, H0559:1, H0486:1,

144	HKA6V06	I352263	154	H0618:1, H0024:1, H0606:1, H0494:1, H0560:1, H0538:1, L0646:1, L0800:1, L0764:1, L0662:1, L0794:1, L0766:1, L0803:1, L0656:1, L0664:1, H0547:1, H0672:1, S0328:1, L0757:1 and H0543:1.
				AR272:35, AR165:34, AR163:33, AR164:33, AR161:32, AR162:32, AR245:32, AR166:32, AR274:28, AR212:28, AR205:26, AR311:23, AR242:22, AR264:21, AR308:20, AR214:20, AR174:19, AR197:19, AR216:16, AR223:15, AR222:15, AR313:15, AR213:14, AR171:14, AR312:14, AR195:14, AR225:14, AR247:13, AR201:13, AR254:12, AR309:12, AR053:12, AR275:12, AR263:12, AR168:12, AR246:11, AR217:11, AR224:11, AR215:11, AR252:11, AR089:11, AR170:10, AR243:10, AR172:10, AR192:10, AR221:9, AR241:9, AR189:9, AR185:9, AR250:9, AR240:8, AR039:8, AR199:8, AR204:8, AR179:7, AR198:7, AR169:7, AR096:7, AR193:7, AR177:7, AR188:7, AR297:6, AR253:6, AR236:6, AR249:6, AR300:6, AR262:6, AR271:6, AR277:6, AR183:6, AR104:6, AR261:6, AR299:6, AR234:5, AR239:5, AR194:5, AR173:5, AR181:5, AR265:5, AR257:5, AR316:5, AR288:5, AR207:5, AR190:5, AR060:5, AR282:5, AR180:5, AR233:5, AR230:4, AR231:4, AR293:4, AR176:4, AR178:4, AR290:4, AR287:4, AR191:4, AR196:4, AR291:4, AR238:4, AR255:4, AR296:4, AR235:4, AR273:4, AR289:3, AR270:3, AR266:3, AR052:3, AR203:3, AR229:3, AR200:3, AR206:3, AR228:3, AR294:3, AR283:3, AR295:3, AR033:3, AR175:2, AR269:2, AR268:2, AR248:2, AR210:2, AR237:2, AR182:2, AR285:2, AR258:2, AR286:2, AR186:2, AR267:2, AR061:2, AR232:2, AR226:2, AR244:2, AR260:2, AR219:1, AR055:1, AR227:1, AR211:1, AR310:1, AR281:1, AR218:1, AR256:1 L0438:2, L0758:2, S0442:1, S0354:1, S0444:1, H0741:1, L0021:1, T0082:1, H0046:1, H0494:1, S0440:1, L3815:1, L0800:1, L0662:1, L5574:1, L0803:1, L0776:1, L0659:1, L2655:1, L2653:1, S0374:1, H0547:1, H0672:1, S0330:1, H0521:1, H0696:1, L0439:1, L0752:1, L0594:1 and H0543:1.
145	HKA6V06	638238	418	
	HKAFT66	946512	155	AR214:32, AR195:28, AR222:28, AR169:27, AR223:26, AR224:25, AR168:23, AR172:23, AR235:22, AR217:21, AR311:20, AR216:20, AR207:19, AR221:19, AR171:18, AR263:18, AR225:17, AR264:16, AR215:15, AR281:15, AR196:14, AR170:14, AR212:14, AR261:13, AR252:13, AR163:13, AR288:12, AR265:12, AR161:12, AR162:12, AR242:12, AR309:12, AR211:11, AR165:11, AR236:11, AR164:11, AR199:11, AR308:11, AR315:11, AR210:10, AR254:10, AR193:10, AR213:10, AR174:10, AR245:9, AR191:9, AR297:9, AR053:9, AR188:9, AR197:9, AR181:9, AR280:8, AR173:8, AR200:8, AR180:8, AR240:8, AR310:8, AR189:8, AR287:8, AR239:8, AR272:7, AR251:7, AR295:7, AR262:7, AR177:7, AR314:7, AR190:7, AR230:7, AR033:7, AR271:7, AR282:6, AR229:6, AR283:6, AR257:6, AR192:6, AR198:6, AR275:6, AR205:6, AR201:6, AR203:6, AR313:6, AR249:6, AR274:6, AR300:6, AR260:6, AR089:5, AR277:5, AR238:5, AR176:5, AR299:5, AR246:5, AR285:5, AR178:5, AR218:5, AR316:5, AR286:5, AR258:5, AR247:4, AR291:4, AR255:4, AR248:4, AR060:4, AR052:4, AR231:4, AR270:4, AR226:4, AR289:4, AR228:4, AR253:4, AR096:4, AR175:4, AR185:4, AR234:4, AR269:4, AR055:4, AR227:4, AR183:3, AR232:3, AR039:3, AR219:3, AR296:3, AR179:3, AR237:3, AR256:3, AR104:3, AR290:3, AR233:3, AR204:3, AR293:3, AR250:3, AR268:3, AR243:2, AR266:2, AR267:2, AR061:2, AR294:2, AR182:2, AR202:2, AR273:1, AR186:1 S0474:5, S0422:3, H0580:2, S0444:1, H0494:1 and H0543:1.
	HKAFT66	889258	419	
	HKAFT66	904790	420	
146	HKBIE57	876571	156	AR253:4, AR225:3, AR171:3, AR205:3, AR192:3, AR169:3, AR245:2, AR282:2, AR193:2, AR274:2, AR039:2, AR291:2, AR212:2, AR163:2, AR162:2, AR266:2, AR161:2, AR269:2, AR264:1, AR271:1, AR178:1, AR316:1, AR275:1, AR261:1,

					<p>AR168:1, AR270:1, AR183:1, AR297:1, AR283:1 L0747:4, L0766:3, L0776:3, L0665:3, H0328:2, L0763:2, L0769:2, L0772:2, L0764:2, L0666:2, L0745:2, L0750:2, L0777:2, L0759:2, L0608:2, H0556:1, S0116:1, H0384:1, S0360:1, S0408:1, H0637:1, L0722:1, H0735:1, H0619:1, H0492:1, H0156:1, H0421:1, H0620:1, S0051:1, H0083:1, H0510:1, H0266:1, H0031:1, H0634:1, H0560:1, S0440:1, H0132:1, H0695:1, L0800:1, L0521:1, L0662:1, L0774:1, L0806:1, L0807:1, H0144:1, H0690:1, H0658:1, H0521:1, H0522:1, L0439:1, L0746:1, L0752:1, L0480:1, L0589:1, L0592:1, H0543:1 and H0422:1.</p>
				HKBI E57 654871 421	
147				HKFBC53 1352286 157	<p>AR249:155, AR248:131, AR251:111, AR265:54, AR253:42, AR096:23, AR263:23, AR244:18, AR290:13, AR268:13, AR246:12, AR184:11, AR177:11, AR194:9, AR267:8, AR229:8, AR270:8, AR247:7, AR240:7, AR269:7, AR183:6, AR202:5, AR175:5, AR234:5, AR241:5, AR316:5, AR206:5, AR313:5, AR055:4, AR299:4, AR033:4, AR238:3, AR292:3, AR061:3, AR182:3, AR171:3, AR273:3, AR224:3, AR274:3, AR198:3, AR275:3, AR216:3, AR266:3, AR195:3, AR284:3, AR168:3, AR237:2, AR215:2, AR282:2, AR242:2, AR310:2, AR250:2, AR300:2, AR298:2, AR186:2, AR039:2, AR231:2, AR291:2, AR223:2, AR243:2, AR289:2, AR179:2, AR204:2, AR104:2, AR205:2, AR257:2, AR271:2, AR053:2, AR226:2, AR277:2, AR217:2, AR232:2, AR192:2, AR296:2, AR185:2, AR264:1, AR295:1, AR089:1, AR261:1, AR213:1, AR259:1, AR166:1, AR286:1, AR308:1, AR233:1, AR201:1 L0794:11, H0521:11, S0002:8, L0805:8, L0803:7, S0278:6, S0144:6, L0774:4, L0777:4, S0380:3, H0265:2, H0556:2, H0638:2, L0761:2, L0776:2, L0809:2, S0406:2, S0298:1, S0420:1, S0356:1, H0431:1, H0618:1, H0546:1, H0100:1, H0429:1, H0494:1, H0509:1, S0142:1, S0426:1, L0640:1, L0763:1, L0770:1, L3904:1, L0800:1, L0804:1, L0806:1, L0807:1, L4669:1, L5622:1, L5623:1, L0791:1, L0792:1, L0666:1, L2261:1, S0374:1, H0690:1, H0522:1, S0390:1, L0740:1, L0751:1, L0756:1, L0779:1 and L0731:1.</p>
				HKFBC53 701893 422	
				HKFBC53 513190 423	
				HKFBC53 383426 424	
148				HKGDL36 877489 158	<p>AR274:28, AR214:24, AR168:23, AR216:22, AR205:21, AR245:20, AR224:20, AR272:18, AR222:17, AR199:17, AR171:17, AR223:17, AR252:17, AR215:16, AR213:16, AR312:16, AR195:15, AR217:15, AR170:15, AR247:15, AR166:14, AR313:14, AR212:14, AR246:14, AR225:14, AR165:13, AR164:13, AR172:13, AR311:13, AR308:13, AR169:12, AR162:12, AR161:12, AR053:12, AR221:12, AR163:12, AR210:11, AR179:11, AR188:11, AR197:10, AR275:10, AR263:10, AR250:10, AR189:9, AR174:9, AR264:9, AR242:9, AR236:9, AR089:9, AR201:9, AR254:9, AR096:9, AR193:8, AR299:8, AR271:8, AR243:8, AR175:8, AR309:8, AR253:8, AR039:8, AR291:8, AR180:8, AR296:8, AR190:7, AR185:7, AR288:7, AR173:7, AR240:7, AR178:7, AR295:7, AR293:7, AR218:7, AR267:7, AR183:6, AR211:6, AR289:6, AR282:6, AR262:6, AR191:6, AR300:6, AR219:6, AR277:6, AR316:6, AR192:6, AR290:6, AR270:6, AR177:6, AR261:6, AR269:6, AR268:6, AR266:6, AR255:6, AR060:6, AR204:6, AR297:6, AR231:5, AR203:5, AR200:5, AR230:5, AR257:5, AR285:5, AR198:5, AR237:5, AR294:5, AR256:5, AR283:5, AR181:5, AR287:4, AR239:4, AR260:4, AR229:4, AR258:4, AR104:4, AR234:4, AR233:4, AR061:4, AR207:4, AR182:4, AR176:4, AR286:4, AR232:4, AR238:3, AR033:3, AR226:3, AR196:3, AR055:3, AR227:3, AR235:2, AR228:2 H0424:28, L0803:25, L0805:9, L0636:7, L0774:5, L0770:4, H0661:2, S0222:2, L0157:2, L0638:2, L3904:2, L0776:2, L0659:2, L0809:2, L0789:2, H0539:2, L0592:2, H0295:1,</p>

					S0114:1, H0663:1, S6026:1, H0549:1, H0748:1, H0571:1, S0051:1, T0006:1, H0033:1, H0604:1, H0213:1, H0418:1, H0417:1, H0538:1, L0769:1, L3905:1, L0794:1, L0647:1, L0787:1, H0684:1, H0672:1, L0749:1, L0753:1, L0759:1, S0260:1, S0434:1 and S0436:1.
	HKGDL36	704088	425		
149	HKISB57	625956	159		AR161:12, AR162:12, AR163:12, AR165:12, AR166:11, AR166:11, AR089:8, AR225:7, AR178:6, AR183:6, AR172:6, AR300:5, AR224:5, AR181:5, AR221:5, AR223:5, AR170:5, AR299:5, AR039:4, AR291:4, AR096:4, AR268:4, AR275:4, AR286:4, AR274:4, AR055:4, AR247:4, AR222:4, AR269:4, AR258:4, AR257:4, AR179:3, AR240:3, AR242:3, AR173:3, AR182:3, AR262:3, AR270:3, AR272:3, AR189:3, AR316:3, AR267:3, AR175:3, AR245:3, AR313:3, AR287:3, AR296:3, AR231:2, AR210:2, AR171:2, AR190:2, AR217:2, AR205:2, AR277:2, AR230:2, AR295:2, AR290:2, AR263:2, AR060:2, AR309:2, AR191:2, AR228:2, AR229:2, AR104:2, AR261:2, AR288:2, AR174:2, AR282:2, AR246:2, AR255:2, AR312:2, AR237:2, AR169:2, AR193:2, AR271:2, AR201:2, AR233:2, AR239:2, AR197:1, AR061:1, AR226:1, AR177:1, AR213:1, AR195:1, AR033:1, AR188:1, AR238:1, AR196:1, AR185:1, AR293:1, AR176:1, AR234:1, AR227:1 L0747:5, L0731:5, H0031:4, L0599:4, S0045:3, H0411:3, H0494:3, L0783:3, L0743:3, L0758:3, L0759:3, L0604:3, H0295:2, S0356:2, S0360:2, S0046:2, H0413:2, L0774:2, H0651:2, S0027:2, L0748:2, L0439:2, L0752:2, L0601:2, H0484:1, S0132:1, H0586:1, H0333:1, H0486:1, H0042:1, H0122:1, H0546:1, H0041:1, H0050:1, H0408:1, H0288:1, H0688:1, H0424:1, H0644:1, H0383:1, L0772:1, L0764:1, L0662:1, L0364:1, L0653:1, L0782:1, L0789:1, L0666:1, L0663:1, L0664:1, H0144:1, S0148:1, H0593:1, H0666:1, S0330:1, S0044:1, S0037:1, S3014:1, L0757:1, S0031:1, H0667:1 and H0506:1.
150	HKMLM11	514788	160		AR060:13, AR039:7, AR282:7, AR170:7, AR252:7, AR263:7, AR207:7, AR309:7, AR299:6, AR224:6, AR096:5, AR161:5, AR162:5, AR264:5, AR163:5, AR311:5, AR165:5, AR214:5, AR225:5, AR235:5, AR164:5, AR277:5, AR166:5, AR308:5, AR245:5, AR246:5, AR217:5, AR182:5, AR168:4, AR283:4, AR195:4, AR275:4, AR316:4, AR271:4, AR171:4, AR312:4, AR261:4, AR053:4, AR212:4, AR222:4, AR272:4, AR270:4, AR192:4, AR213:4, AR274:4, AR193:4, AR313:4, AR173:4, AR300:4, AR286:3, AR175:3, AR089:3, AR291:3, AR180:3, AR181:3, AR269:3, AR288:3, AR223:3, AR176:3, AR169:3, AR297:3, AR289:3, AR250:3, AR285:3, AR254:3, AR201:3, AR239:3, AR229:3, AR267:3, AR104:3, AR293:3, AR198:3, AR240:3, AR230:3, AR205:3, AR243:3, AR296:3, AR196:3, AR236:3, AR221:2, AR237:2, AR216:3, AR204:3, AR172:3, AR295:3, AR268:2, AR199:2, AR257:2, AR178:2, AR055:2, AR221:2, AR237:2, AR234:2, AR174:2, AR177:2, AR287:2, AR294:2, AR188:2, AR033:2, AR238:2, AR218:2, AR231:2, AR266:2, AR210:2, AR226:2, AR228:2, AR232:2, AR185:2, AR262:2, AR061:2, AR255:2, AR233:2, AR203:2, AR191:2, AR200:2, AR260:2, AR290:2, AR189:2, AR179:2, AR258:2, AR219:2, AR197:1, AR242:1, AR183:1, AR215:1 H0620:7, L3659:3, S0442:3, H0036:3, H0150:3, S0410:2, H0722:2, H0431:2, H0012:2, L0774:2, H0740:1, H0341:1, S0358:1, H0792:1, H0549:1, H0590:1, H0746:1, H0510:1, H0059:1, T0042:1, L0475:1, L0803:1, L0775:1, H0593:1, L3215:1, S0013:1, L0758:1 and H0707:1.
151	HKMLP68	1037919	161		AR060:8, AR161:4, AR162:4, AR163:4, AR182:4, AR207:3, AR176:3, AR264:3, AR222:3, AR254:3, AR186:3, AR252:3, AR052:3, AR272:3, AR196:3, AR311:2, AR291:2, AR181:2, AR257:2, AR273:2, AR199:2, AR214:2, AR184:2, AR255:2, AR275:2, AR265:2, AR228:2, AR282:2, AR236:2, AR262:2, AR171:2, AR274:2, AR261:2, AR249:2, AR233:2, AR200:2, AR227:2, AR287:2, AR299:2, AR191:2, AR266:2, AR238:2, AR061:2, AR190:2, AR165:2, AR239:2, AR033:2, AR247:1, AR170:1, AR277:1, AR164:1, AR175:1, AR296:1, AR206:1, AR166:1, AR039:1, AR198:1, AR185:1, AR172:1, AR269:1, AR234:1, AR089:1, AR253:1, AR193:1, AR312:1, AR294:1, AR263:1, AR096:1, AR203:1, AR179:1, AR204:1, AR300:1,

				AR313:1, AR240:1, AR244:1, AR290:1, AR173:1, AR174:1, AR297:1, AR180:1, AR217:1 H0549:1 and H0431:1
	HKMLP68	880047	426	
	HKMLP68	583524	427	
152	HKMMD13	604751	162	AR252:8, AR165:7, AR166:7, AR313:7, AR242:6, AR053:6, AR089:6, AR198:6, AR161:5, AR180:5, AR162:5, AR163:5, AR039:5, AR309:5, AR207:5, AR299:5, AR271:5, AR263:4, AR282:4, AR192:4, AR196:4, AR197:4, AR201:4, AR181:4, AR096:4, AR266:4, AR274:4, AR257:4, AR176:4, AR178:4, AR182:4, AR254:4, AR204:4, AR193:4, AR247:4, AR229:4, AR168:3, AR228:3, AR238:3, AR060:3, AR312:3, AR177:3, AR300:3, AR308:3, AR171:3, AR237:3, AR261:3, AR270:3, AR233:3, AR293:3, AR316:3, AR269:3, AR183:3, AR267:3, AR195:3, AR239:3, AR268:3, AR191:3, AR255:3, AR205:3, AR185:3, AR226:3, AR212:3, AR231:2, AR234:2, AR224:2, AR283:2, AR240:2, AR179:2, AR104:2, AR236:2, AR243:2, AR277:2, AR262:2, AR200:2, AR311:2, AR169:2, AR289:2, AR294:2, AR285:2, AR295:2, AR232:2, AR213:2, AR227:2, AR296:2, AR055:2, AR290:2, AR288:2, AR189:2, AR173:2, AR033:2, AR061:2, AR199:2, AR175:2, AR287:2, AR174:2, AR272:2, AR203:2, AR264:2, AR217:2, AR222:2, AR170:2, AR291:2, AR214:2, AR216:2, AR258:1, AR230:1, AR297:1, AR286:1, AR225:1, AR190:1 H0431:1
153	HKMMW74	581399	163	AR229:11, AR313:11, AR163:10, AR162:10, AR242:9, AR176:9, AR039:9, AR204:9, AR197:8, AR309:8, AR192:8, AR180:8, AR264:8, AR181:8, AR178:8, AR089:8, AR177:8, AR164:8, AR247:7, AR268:7, AR196:7, AR239:7, AR166:7, AR182:7, AR252:7, AR271:7, AR246:7, AR282:7, AR300:7, AR165:7, AR269:7, AR233:7, AR173:7, AR174:7, AR179:7, AR267:6, AR236:6, AR228:6, AR238:6, AR175:6, AR198:6, AR096:6, AR060:6, AR299:6, AR235:6, AR257:6, AR240:6, AR261:6, AR055:6, AR293:6, AR275:6, AR226:5, AR237:5, AR185:5, AR183:5, AR243:5, AR201:5, AR234:5, AR195:5, AR250:5, AR207:5, AR291:5, AR245:5, AR316:5, AR266:5, AR191:5, AR312:5, AR053:5, AR227:5, AR231:5, AR254:5, AR230:5, AR262:5, AR270:5, AR203:5, AR224:4, AR289:4, AR263:4, AR285:4, AR212:4, AR193:4, AR199:4, AR258:4, AR216:4, AR218:4, AR061:4, AR213:4, AR255:4, AR217:4, AR297:4, AR277:4, AR200:4, AR104:4, AR272:4, AR232:4, AR205:4, AR274:4, AR296:4, AR295:3, AR286:3, AR033:3, AR189:3, AR287:3, AR290:3, AR256:3, AR190:3, AR311:3, AR283:3, AR169:3, AR168:3, AR170:3, AR215:3, AR253:3, AR308:3, AR288:3, AR188:3, AR171:3, AR214:3, AR223:3, AR219:2, AR294:2, AR221:2, AR260:2, AR222:2, AR172:2, AR210:1, AR225:1 H0431:1
154	HKMND01	527402	164	AR313:42, AR039:34, AR089:28, AR165:25, AR162:24, AR166:23, AR163:23, AR164:23, AR161:22, AR096:22, AR173:21, AR229:21, AR300:20, AR299:20, AR247:18, AR185:17, AR226:16, AR242:16, AR178:16, AR316:15, AR060:15, AR180:15, AR238:15, AR204:15, AR233:15, AR196:15, AR293:15, AR175:14, AR264:14, AR257:14, AR182:14, AR240:14, AR181:13, AR176:13, AR312:13, AR262:13, AR183:13, AR228:13, AR218:13, AR237:13, AR268:13, AR179:12, AR269:12, AR193:12, AR270:12, AR197:12, AR277:12, AR174:12, AR309:12, AR239:12, AR258:12, AR053:12, AR234:11, AR199:11, AR275:11, AR195:11, AR104:11, AR236:11, AR177:11, AR255:11, AR282:11, AR203:11, AR231:10, AR201:10, AR230:10, AR245:9, AR263:9, AR274:9, AR297:9, AR267:9, AR198:9, AR219:9, AR192:9, AR288:9, AR055:9, AR294:9, AR266:9, AR287:9, AR191:9, AR243:9, AR296:9, AR189:8, AR261:8, AR286:8, AR235:8, AR252:8, AR308:8, AR254:8, AR213:8, AR285:8, AR272:8, AR271:7, AR289:7, AR212:7, AR291:7, AR188:6, AR295:6, AR200:6, AR290:6, AR221:6, AR033:6, AR227:6, AR256:5, AR207:5, AR246:5, AR260:5, AR214:5, AR253:5, AR283:5, AR061:4, AR311:4, AR250:4, AR205:4, AR168:4, AR232:3, AR215:3, AR172:3, AR225:3, AR190:3,

155	HLDDBE54	836041		AR211:3, AR217:3, AR170:3, AR216:1, AR210:1 H0431:1 AR227:117, AR226:107, AR237:85, AR238:79, AR239:77, AR232:66, AR061:66, AR231:30, AR228:20, AR230:17, AR233:16, AR234:15, AR229:10, AR296:7, AR316:6, AR282:5, AR213:5, AR267:5, AR225:4, AR215:4, AR277:4, AR254:4, AR264:3, AR245:2, AR192:2, AR195:2, AR201:2, AR311:2, AR224:2, AR060:2, AR263:2, AR272:2, AR217:2, AR291:2, AR172:2, AR240:2, AR033:1, AR312:1, AR308:1, AR275:1, AR055:1, AR268:1, AR193:1 H0616:1 and H0509:1.
	HLDDBE54	600362	428	
	HLDDBE54	800678	429	
156	HLDDBX13	815665	166	AR239:6, AR061:6, AR235:5, AR238:5, AR192:4, AR226:4, AR172:4, AR195:4, AR165:4, AR232:4, AR213:4, AR164:4, AR198:4, AR166:4, AR217:4, AR169:4, AR089:3, AR246:3, AR240:3, AR177:3, AR233:3, AR162:3, AR274:3, AR212:3, AR161:3, AR176:3, AR204:3, AR237:3, AR207:3, AR215:3, AR283:3, AR266:3, AR275:3, AR225:3, AR264:3, AR311:3, AR227:3, AR313:3, AR182:3, AR205:3, AR221:3, AR234:3, AR261:3, AR308:3, AR231:3, AR250:3, AR193:3, AR282:3, AR222:3, AR173:2, AR288:2, AR199:2, AR229:2, AR228:2, AR060:2, AR243:2, AR316:2, AR271:2, AR201:2, AR185:2, AR277:2, AR247:2, AR312:2, AR175:2, AR191:2, AR183:2, AR245:2, AR236:2, AR033:2, AR190:2, AR300:2, AR189:2, AR291:2, AR096:2, AR223:2, AR262:2, AR299:2, AR174:2, AR285:2, AR257:2, AR196:2, AR286:2, AR181:2, AR211:2, AR272:2, AR216:2, AR203:2, AR287:1, AR289:1, AR270:1, AR293:1, AR224:1, AR295:1, AR297:1, AR104:1, AR163:1, AR254:1, AR255:1, AR055:1, AR269:1 H0509:1
157	HLDON23	636083	167	AR235:6, AR196:5, AR161:5, AR162:5, AR163:4, AR264:4, AR176:4, AR165:4, AR164:4, AR238:4, AR214:4, AR181:4, AR166:4, AR236:4, AR191:4, AR253:4, AR188:4, AR177:3, AR261:3, AR199:3, AR252:3, AR178:3, AR288:3, AR247:3, AR033:3, AR182:3, AR286:3, AR190:3, AR296:3, AR170:3, AR269:3, AR262:3, AR200:3, AR242:3, AR255:3, AR183:3, AR295:3, AR205:3, AR297:3, AR224:3, AR285:3, AR312:3, AR287:3, AR268:3, AR189:3, AR257:3, AR282:3, AR291:3, AR175:3, AR309:3, AR270:3, AR171:3, AR180:3, AR299:3, AR293:2, AR217:2, AR222:2, AR179:2, AR277:2, AR271:2, AR229:2, AR272:2, AR174:2, AR240:2, AR225:2, AR243:2, AR173:2, AR308:2, AR228:2, AR289:2, AR203:2, AR239:2, AR254:2, AR226:2, AR233:2, AR213:2, AR104:2, AR258:2, AR290:2, AR227:2, AR294:2, AR267:2, AR234:2, AR096:2, AR169:2, AR237:2, AR210:2, AR313:2, AR311:2, AR218:2, AR219:2, AR172:2, AR275:2, AR039:2, AR060:2, AR316:2, AR211:2, AR300:2, AR230:2, AR185:2, AR061:1, AR089:1, AR216:1, AR212:1, AR193:1, AR260:1, AR201:1, AR232:1, AR055:1 L0805:8, L0809:6, L0439:5, L0777:5, L0748:4, L0800:3, L0662:3, L0659:3, L0750:3, L0758:3, H0208:2, H0123:2, H0617:2, L0769:2, L0803:2, L0776:2, L0666:2, L0438:2, L0780:2, L0731:2, L3643:1, H0741:1, H0497:1, L0622:1, T0109:1, H0581:1, L0738:1, H0546:1, H0024:1, T0010:1, H0510:1, H0428:1, H0622:1, H0673:1, H0598:1, S0036:1, H0163:1, H0413:1, L0370:1, T0041:1, L0637:1, L5566:1, L0667:1, L0772:1, L0646:1, L0764:1, L0794:1, L0766:1, L0649:1, L0657:1, L0788:1, L0663:1, S0374:1, H0666:1, S0330:1, H0539:1, H0521:1, H0696:1, H0478:1, L0741:1, L0751:1, L0745:1, L0747:1, L0749:1 and L0752:1.
158	HLDQC46	847397	168	AR266:19, AR261:17, AR291:17, AR238:15, AR283:13, AR289:13, AR297:12, AR039:12, AR055:11, AR250:11, AR183:11, AR197:10, AR195:10, AR165:10, AR243:10, AR061:10, AR253:10, AR164:10, AR089:9, AR166:9, AR255:9, AR176:9, AR174:9, AR239:9, AR185:9, AR242:9, AR177:9, AR285:9, AR175:8, AR296:8, AR245:8, AR295:8, AR163:8, AR162:8, AR256:8, AR282:8, AR229:8, AR257:8, AR060:8, AR161:8, AR271:8, AR254:8, AR198:8, AR269:8,

159	HLDQR62	753742	169	AR270:7, AR192:7, AR215:7, AR205:7, AR268:7, AR178:7, AR181:7, AR246:7, AR219:7, AR247:7, AR179:7, AR227:7, AR316:7, AR204:6, AR288:6, AR237:6, AR293:6, AR173:6, AR275:6, AR234:6, AR262:6, AR232:6, AR180:6, AR201:6, AR287:6, AR236:6, AR231:6, AR207:6, AR240:6, AR226:6, AR193:6, AR211:6, AR218:6, AR274:6, AR309:5, AR191:5, AR233:5, AR096:5, AR182:5, AR223:5, AR170:5, AR104:5, AR263:5, AR272:5, AR286:5, AR053:5, AR252:5, AR221:5, AR188:5, AR228:5, AR267:5, AR210:5, AR264:5, AR299:5, AR294:4, AR225:4, AR300:4, AR196:4, AR203:4, AR290:4, AR212:4, AR033:4, AR199:4, AR189:4, AR190:4, AR311:4, AR313:4, AR277:4, AR200:4, AR230:4, AR214:4, AR216:4, AR312:4, AR213:4, AR217:3, AR308:3, AR258:3, AR169:3, AR224:3, AR260:2, AR171:2, AR168:2, H0253:5, L0758:3, S0444:2, H0333:2, H0510:2, L3905:2, S0406:2, L0744:2, L0754:2, L0747:2, L0749:2, S0436:2, H0423:2, H0422:2, H0265:1, H0717:1, H0716:1, S6024:1, H0341:1, H0484:1, H0192:1, S0360:1, S0408:1, T0008:1, H0580:1, H0733:1, H0393:1, S0280:1, H0196:1, H0544:1, H0545:1, H0086:1, H0009:1, H0123:1, H0620:1, H0024:1, S0362:1, S0051:1, H0188:1, H0284:1, H0428:1, H0606:1, H0135:1, H0063:1, H0487:1, S0440:1, L0768:1, L0806:1, L0653:1, L0791:1, L0666:1, L2261:1, L0438:1, H0672:1, H0539:1, S3014:1, L0743:1, L0752:1, H0444:1 and H0677:1.
160	HLDQU79	740755	170	AR165:9, AR164:9, AR162:8, AR166:8, AR163:8, AR161:8, AR195:7, AR242:7, AR197:6, AR176:6, AR207:6, AR181:6, AR178:5, AR254:5, AR272:5, AR245:5, AR239:5, AR257:4, AR261:4, AR170:4, AR193:4, AR252:4, AR282:4, AR311:4, AR308:4, AR212:4, AR288:4, AR297:4, AR228:4, AR168:3, AR230:3, AR173:3, AR266:3, AR235:3, AR255:3, AR262:3, AR174:3, AR199:3, AR180:3, AR214:3, AR175:3, AR190:3, AR201:3, AR291:3, AR183:3, AR237:3, AR191:3, AR287:3, AR286:3, AR196:3, AR236:3, AR232:3, AR229:3, AR089:3, AR289:3, AR243:3, AR171:3, AR270:3, AR217:3, AR182:3, AR238:3, AR203:3, AR205:3, AR189:3, AR233:3, AR309:2, AR053:2, AR177:2, AR188:2, AR215:2, AR210:2, AR274:2, AR234:2, AR221:2, AR296:2, AR268:2, AR263:2, AR293:2, AR204:2, AR179:2, AR240:2, AR227:2, AR312:2, AR033:2, AR310:2, AR226:2, AR264:2, AR246:2, AR185:2, AR216:2, AR200:2, AR225:2, AR295:2, AR172:2, AR258:2, AR061:2, AR247:2, AR224:2, AR260:2, AR231:2, AR285:2, AR267:2, AR277:2, AR198:2, AR275:2, AR060:2, AR250:2, AR256:2, AR213:2, AR269:2, AR211:2, AR299:2, AR290:2, AR313:2, AR316:2, AR192:1, AR283:1, AR104:1, AR294:1, AR055:1, AR271:1, AR281:1, AR300:1, AR039:1, AR280:1, AR052:1, S0007:10, L0748:7, H0013:3, S0010:3, L0771:3, L0438:3, L0439:3, L0591:3, S0040:2, S0222:2, H0156:2, H0083:2, H0510:2, S0003:2, H0032:2, L3905:2, L0519:2, H0521:2, S0260:2, L0596:2, S0276:2, H0265:1, H0556:1, S0134:1, L3002:1, H0675:1, H0734:1, S0346:1, H0196:1, H0309:1, H0327:1, H0051:1, H0266:1, S0314:1, S0022:1, H0031:1, H0553:1, H0212:1, H0038:1, H0380:1, H0264:1, H0100:1, H0509:1, S0144:1, L0763:1, L0372:1, L0374:1, L0803:1, L0775:1, L0776:1, L0809:1, S0216:1, L2260:1, L0710:1, L2261:1, L2654:1, S0148:1, L3831:1, H0670:1, H0539:1, H0518:1, H0696:1, S0146:1, S0406:1, S0028:1, L0749:1, L0779:1, S0026:1, S0192:1 and S0242:1.
				AR253:8, AR171:7, AR245:6, AR243:5, AR183:5, AR263:5, AR264:4, AR250:4, AR269:4, AR060:4, AR180:4, AR270:4, AR309:4, AR162:4, AR268:4, AR161:4, AR165:4, AR192:4, AR176:4, AR164:4, AR055:4, AR163:4, AR213:4, AR195:4, AR271:4, AR166:3, AR275:3, AR240:3, AR282:3, AR312:3, AR246:3, AR178:3, AR181:3, AR311:3, AR168:3, AR289:3, AR182:3, AR193:3, AR217:3, AR179:3, AR212:3, AR237:3, AR238:3, AR299:3, AR199:3, AR252:3, AR229:3, AR242:2, AR185:2, AR300:2, AR277:2, AR175:2, AR293:2, AR257:2, AR308:2, AR177:2, AR198:2, AR061:2, AR214:2, AR174:2, AR104:2, AR231:2, AR316:2, AR201:2, AR233:2, AR230:2, AR224:2, AR236:2, AR239:2, AR228:2, AR188:2, AR223:2, AR189:2, AR247:2, AR294:2, AR226:2, AR266:2, AR221:2, AR285:2, AR191:2, AR089:2, AR216:2, AR200:2, AR207:2,

161	HLDRM43	846330	171	AR272:2, AR232:2, AR190:2, AR290:2, AR283:2, AR096:2, AR222:2, AR296:2, AR039:2, AR267:2, AR205:2, AR211:1, AR196:1, AR173:1, AR033:1, AR218:1, AR295:1, AR255:1, AR262:1, AR215:1, AR227:1, AR254:1, AR234:1, AR313:1, AR203:1, AR256:1, AR169:1, AR225:1, AR210:1, AR170:1, L0748:9, L0731:7, L0771:6, L0759:6, H0013:5, L0764:4, L0747:4, L0758:4, H0265:3, H0039:3, H0038:3, L0769:3, L0766:3, L0775:3, H0144:3, L0755:3, S0444:2, S0476:2, H0318:2, H0050:2, L0471:2, H0266:2, L0374:2, L0649:2, L0805:2, L0663:2, L0664:2, H0547:2, S0126:2, H0670:2, L0740:2, L0754:2, L0750:2, L0593:2, H0667:2, H0170:1, H0171:1, H0685:1, H0662:1, S0354:1, S0360:1, H0580:1, H0728:1, H0151:1, H0747:1, L3388:1, H0357:1, H0586:1, H0331:1, H0574:1, H0635:1, H0575:1, H0263:1, H0596:1, H0545:1, H0012:1, H0620:1, H0350:1, H0355:1, H0510:1, H0428:1, H0604:1, H0031:1, H0553:1, S0366:1, H0040:1, H0063:1, H0059:1, H0560:1, H0561:1, S0440:1, S0422:1, H0529:1, L0640:1, L0637:1, L0761:1, L0772:1, L0646:1, L4556:1, L0774:1, L0375:1, L0653:1, L0382:1, L5622:1, L0793:1, L4501:1, H0723:1, L0352:1, S0152:1, S0350:1, H0521:1, H0696:1, S0044:1, H0627:1, S0027:1, L0749:1, L0752:1, H0595:1, S0436:1, L0591:1, L0595:1, L0361:1, S0011:1, S0194:1, S0276:1 and H0423:1.
162	HLDRM43	638939	430	AR060:3, AR185:19, AR055:19, AR283:17, AR299:16, AR282:14, AR104:11, AR089:10, AR316:9, AR277:9, AR300:8, AR096:6, AR240:6, AR039:5, AR219:5, AR313:4, AR218:3, S0410:26, S0444:6, S0358:4, S0440:4, L0748:4, H0661:3, S0442:3, S0408:3, H0393:3, H0574:3, S0438:3, H0509:3, S0406:3, S0360:2, H0510:2, L0764:2, S0374:2, H0742:1, H0730:1, H0722:1, H0331:1, H0204:1, H0150:1, H0615:1, H0059:1, L0772:1, L0648:1, L0803:1, L0774:1 and L0791:1.
162	HLDPRP33	647430	172	AR241:11, AR184:11, AR196:11, AR242:9, AR165:9, AR164:9, AR166:8, AR161:8, AR162:8, AR163:8, AR313:8, AR173:8, AR229:7, AR192:6, AR183:6, AR199:6, AR180:6, AR262:6, AR198:6, AR203:5, AR265:5, AR264:5, AR247:5, AR238:5, AR191:5, AR181:5, AR250:5, AR178:5, AR240:5, AR053:5, AR257:5, AR175:5, AR177:5, AR293:5, AR212:5, AR299:5, AR258:5, AR182:5, AR269:4, AR200:4, AR089:4, AR292:4, AR176:4, AR226:4, AR174:4, AR206:4, AR297:4, AR193:4, AR189:4, AR296:4, AR171:4, AR312:4, AR213:4, AR204:4, AR197:4, AR243:4, AR300:4, AR223:4, AR234:4, AR270:4, AR236:4, AR195:4, AR179:4, AR230:4, AR248:4, AR294:3, AR268:3, AR228:3, AR282:3, AR233:3, AR310:3, AR235:3, AR261:3, AR185:3, AR052:3, AR286:3, AR275:3, AR285:3, AR231:3, AR237:3, AR295:3, AR277:3, AR315:3, AR188:3, AR309:3, AR311:3, AR284:3, AR290:3, AR227:3, AR224:3, AR186:3, AR202:3, AR308:3, AR215:3, AR255:3, AR274:3, AR239:3, AR266:3, AR033:3, AR314:3, AR096:3, AR298:3, AR289:3, AR267:3, AR190:3, AR291:3, AR207:3, AR039:2, AR288:2, AR316:2, AR251:2, AR225:2, AR263:2, AR218:2, AR287:2, AR260:2, AR060:2, AR221:2, AR217:2, AR232:2, AR222:2, AR272:2, AR253:2, AR104:2, AR055:2, AR216:2, AR271:2, AR219:2, AR061:1, AR194:1, AR210:1, AR280:1, AR259:1, AR245:1, AR283:1, AR256:1, S0222:1 and H0510:1.
163	HLHAL68	684216	173	AR089:14, AR060:10, AR299:10, AR185:8, AR096:7, AR055:7, AR039:6, AR283:5, AR316:5, AR313:5, AR282:5, AR240:4, AR218:4, AR104:4, AR300:3, AR221:3, AR277:3, AR219:3, AR168:3, AR053:2, AR207:2, AR264:2, AR217:2, AR266:2, AR172:2, AR171:1, AR294:1, AR166:1, AR291:1, AR213:1, AR210:1, AR199:1, AR215:1, AR161:1, AR230:1, AR162:1, AR163:1, H0024:1
164	HLHFP03	460467	174	AR194:6, AR186:6, AR169:6, AR170:5, AR202:5, AR060:5, AR206:5, AR184:5, AR176:5, AR273:4, AR249:4, AR248:4, AR223:4, AR161:4, AR055:4, AR162:4, AR251:4, AR163:4, AR061:4, AR282:4, AR244:4, AR052:4, AR310:4, AR053:4, AR267:4, AR253:3, AR235:3, AR183:3, AR269:3, AR182:3, AR312:3, AR204:3, AR266:3, AR192:3, AR246:3, AR275:3,

165	HLIBD68	778073	175	AR270:3, AR104:3, AR185:3, AR298:3, AR089:3, AR295:3, AR241:3, AR271:3, AR309:3, AR181:3, AR166:3, AR291:3, AR263:3, AR257:3, AR217:3, AR289:3, AR296:3, AR033:3, AR238:3, AR283:3, AR277:3, AR292:3, AR205:2, AR247:2, AR299:2, AR193:2, AR231:2, AR213:2, AR268:2, AR168:2, AR284:2, AR262:2, AR237:2, AR212:2, AR243:2, AR274:2, AR297:2, AR300:2, AR286:2, AR228:2, AR240:2, AR233:2, AR272:2, AR285:2, AR316:2, AR165:2, AR229:2, AR096:2, AR226:2, AR293:2, AR313:2, AR255:2, AR294:2, AR191:2, AR290:2, AR164:2, AR172:2, AR264:2, AR227:2, AR174:2, AR039:2, AR287:2, AR198:2, AR265:2, AR232:2, AR171:2, AR216:2, AR177:2, AR311:1, AR234:1, AR175:1, AR239:1, AR203:1, AR236:1, AR230:1, AR218:1, AR196:1, AR261:1, AR259:1, AR201:1, AR189:1, AR179:1 L0742:4 and H0024:1.
166	HLICQ90	791828	176	AR253:19, AR313:9, AR212:8, AR312:7, AR053:7, AR250:7, AR264:6, AR161:6, AR162:6, AR263:6, AR309:6, AR163:6, AR165:6, AR197:6, AR096:6, AR166:6, AR164:6, AR089:6, AR173:6, AR180:6, AR178:5, AR198:5, AR240:5, AR213:5, AR221:4, AR308:4, AR311:4, AR300:4, AR175:4, AR229:4, AR269:4, AR181:4, AR242:4, AR274:4, AR247:4, AR168:4, AR257:4, AR193:4, AR177:4, AR192:4, AR183:4, AR195:4, AR235:3, AR270:3, AR262:3, AR266:3, AR282:3, AR316:3, AR225:3, AR060:3, AR196:3, AR275:3, AR299:3, AR182:3, AR277:3, AR245:3, AR293:3, AR207:3, AR174:3, AR254:3, AR179:3, AR296:3, AR261:3, AR238:3, AR233:3, AR185:3, AR218:3, AR258:3, AR268:3, AR295:3, AR205:3, AR226:3, AR219:3, AR271:3, AR199:3, AR236:3, AR289:3, AR234:2, AR224:2, AR267:2, AR201:2, AR297:2, AR287:2, AR033:2, AR188:2, AR191:2, AR189:2, AR286:2, AR231:2, AR230:2, AR255:2, AR237:2, AR291:2, AR200:2, AR246:2, AR288:2, AR272:2, AR203:2, AR239:2, AR285:2, AR190:2, AR290:2, AR204:2, AR222:2, AR243:2, AR228:2, AR104:2, AR055:1, AR216:1, AR171:1, AR294:1, AR170:1, AR172:1, AR217:1, AR211:1 L0157:7, L0794:6, H0040:4, L0439:4, L0758:4, H0556:3, L0803:3, L0005:2, L0471:2, H0059:2, T0004:2, L0769:2, L0761:2, L0805:2, T0002:1, H0685:1, S0134:1, S0110:1, H0176:1, S0356:1, S0222:1, H0441:1, H0370:1, H0486:1, H0014:1, H0083:1, H0355:1, H0286:1, H0606:1, H0163:1, H0090:1, H0561:1, L0521:1, L0766:1, L0774:1, L0809:1, L0788:1, L0665:1, H0539:1, H0696:1, L0748:1, L0749:1, L0777:1, H0543:1 and H0423:1.
166	HLICQ90	791828	176	AR263:79, AR264:68, AR252:65, AR246:63, AR254:61, AR311:60, AR308:54, AR053:52, AR309:51, AR312:46, AR212:41, AR205:40, AR250:39, AR213:38, AR096:37, AR272:37, AR245:36, AR218:36, AR219:36, AR243:35, AR039:32, AR197:29, AR240:26, AR198:25, AR201:24, AR274:22, AR200:22, AR313:22, AR271:21, AR195:20, AR242:18, AR221:18, AR224:18, AR174:18, AR275:18, AR165:18, AR316:17, AR164:17, AR185:17, AR104:17, AR189:17, AR290:17, AR222:17, AR210:16, AR223:16, AR269:16, AR033:16, AR188:16, AR268:16, AR253:16, AR211:16, AR166:15, AR192:15, AR295:15, AR193:14, AR173:14, AR196:14, AR089:14, AR175:14, AR296:14, AR199:14, AR172:14, AR162:13, AR207:13, AR270:13, AR190:13, AR180:13, AR225:13, AR177:13, AR183:13, AR291:12, AR299:12, AR235:12, AR285:12, AR163:12, AR191:12, AR247:12, AR266:12, AR171:12, AR178:11, AR289:11, AR288:11, AR060:11, AR286:11, AR204:11, AR300:11, AR297:11, AR267:10, AR282:10, AR287:10, AR255:10, AR168:10, AR261:10, AR257:10, AR283:9, AR262:9, AR203:9, AR238:9, AR215:9, AR214:9, AR179:9, AR170:8, AR181:8, AR256:8, AR293:8, AR236:8, AR231:8, AR229:7, AR260:7, AR277:7, AR182:7, AR258:7, AR176:7, AR234:7, AR226:6, AR294:6, AR237:6, AR055:6, AR169:5, AR230:5, AR217:5, AR232:5, AR216:4, AR239:4, AR061:4, AR233:4, AR227:3, AR228:3 H0046:10, L0748:6, L0758:3, L0776:2, L0742:2, L0744:2, L0750:2, S0444:1, S0360:1, H0619:1, L0717:1, H0331:1, H0013:1, H0235:1, H0355:1, H0687:1, H0674:1, H0038:1, L0805:1,

167	HLMBO76	626831	177	L0809:1, L0789:1, L0666:1, L0663:1, S0428:1, H0520:1, H0539:1, S0404:1, L0740:1, L0749:1, L0756:1, S0031:1, S0026:1 and H0008:1.
168	HLTEJ06	543017	178	AR169:5, AR204:5, AR264:5, AR235:5, AR176:4, AR263:4, AR269:4, AR161:4, AR217:4, AR163:4, AR162:4, AR309:4, AR181:4, AR183:3, AR272:3, AR268:3, AR214:3, AR225:3, AR196:3, AR197:3, AR191:3, AR257:3, AR261:3, AR188:3, AR216:3, AR285:3, AR238:3, AR182:3, AR288:3, AR274:3, AR267:3, AR313:3, AR189:3, AR294:3, AR258:3, AR282:3, AR178:3, AR236:3, AR296:2, AR172:2, AR165:2, AR255:2, AR308:2, AR289:2, AR270:2, AR287:2, AR164:2, AR297:2, AR290:2, AR262:2, AR229:2, AR166:2, AR173:2, AR199:2, AR228:2, AR312:2, AR230:2, AR177:2, AR266:2, AR240:2, AR239:2, AR033:2, AR190:2, AR193:2, AR293:2, AR233:2, AR171:2, AR291:2, AR286:2, AR174:2, AR200:2, AR175:2, AR179:2, AR203:2, AR053:2, AR237:2, AR226:2, AR168:2, AR055:2, AR104:2, AR231:2, AR300:2, AR295:2, AR195:2, AR234:2, AR089:2, AR247:2, AR222:2, AR221:2, AR060:2, AR311:1, AR096:1, AR201:1, AR232:1, AR205:1, AR218:1, AR260:1, AR219:1, AR039:1, AR212:1, AR256:1, AR185:1, AR277:1, AR061:1 L0439:6, S0410:3, L0794:2, H0255:1, H0163:1, H0745:1, L0796:1, L0662:1, L0776:1, L0666:1, L0438:1, L0352:1, H0659:1, H0521:1 and L0755:1.
169	HLTHR66	699812	179	AR055:6, AR183:5, AR309:5, AR060:5, AR104:5, AR162:4, AR161:4, AR163:4, AR282:4, AR165:4, AR274:4, AR164:4, AR225:4, AR266:3, AR252:3, AR166:3, AR178:3, AR229:3, AR182:3, AR299:3, AR261:3, AR089:3, AR240:3, AR283:3, AR264:3, AR257:3, AR242:3, AR177:3, AR268:3, AR228:3, AR238:3, AR239:3, AR269:3, AR272:3, AR275:3, AR267:2, AR215:2, AR039:2, AR300:2, AR237:2, AR255:2, AR176:2, AR316:2, AR313:2, AR181:2, AR185:2, AR231:2, AR233:2, AR096:2, AR226:2, AR247:2, AR172:2, AR061:2, AR216:2, AR271:2, AR234:2, AR169:2, AR312:2, AR270:2, AR200:2, AR033:2, AR205:2, AR170:1, AR227:1, AR308:1, AR190:1, AR198:1, AR311:1, AR168:1, AR230:1, AR246:1, AR179:1, AR173:1, AR189:1, AR290:1, AR262:1, AR277:1, AR217:1, AR289:1, AR291:1, AR236:1, AR219:1, AR232:1, AR218:1, AR293:1, AR175:1, AR174:1 L0769:3, L0777:3, S0422:2, L0803:2, L0775:2, H0547:2, S0408:1, S0278:1, H0090:1, L0766:1, L0774:1, L0515:1, H0519:1, L0748:1, L0749:1, L0755:1, L0759:1 and L0592:1.
170	HLTIP94	1087335	180	AR282:6, AR221:4, AR235:3, AR176:3, AR266:3, AR215:3, AR269:3, AR171:3, AR270:3, AR308:2, AR183:2, AR196:2, AR217:2, AR172:2, AR177:2, AR197:2, AR222:2, AR268:2, AR295:2, AR228:2, AR236:2, AR267:2, AR188:2, AR238:2, AR261:2, AR309:2, AR255:2, AR296:2, AR233:2, AR207:2, AR291:2, AR257:2, AR290:2, AR232:2, AR193:1, AR277:1, AR178:1, AR283:1, AR089:1, AR181:1, AR164:1, AR203:1, AR264:1, AR212:1, AR166:1, AR231:1, AR247:1, AR293:1, AR205:1, AR055:1, AR316:1, AR300:1, AR175:1, AR287:1, AR189:1, AR168:1, AR234:1, AR161:1, AR174:1, AR239:1 H0036:2, S0132:1, S0010:1, S0250:1, H0591:1 and H0130:1.
	HLTIP94	1035443	431	AR060:7, AR055:7, AR185:6, AR313:6, AR218:5, AR300:5, AR240:5, AR089:4, AR282:4, AR299:4, AR283:4, AR039:3, AR096:3, AR316:3, AR104:3, AR277:3, AR219:2 H0170:1, S0626:1 and H0591:1.
	HLTIP94	1047690	432	
171	HLWAA17	629552	181	AR273:12, AR184:12, AR248:11, AR281:9, AR183:8, AR265:8, AR314:7, AR280:7, AR315:7, AR269:7, AR268:6, AR270:6, AR241:6, AR290:6, AR249:5, AR298:5, AR244:5, AR292:5, AR274:4, AR096:4, AR291:4, AR271:4, AR238:4, AR251:4, AR310:4, AR052:4, AR309:4, AR215:4, AR198:4, AR182:4, AR219:4, AR226:4, AR312:4, AR206:4, AR275:4, AR243:4, AR313:4, AR267:4, AR231:4, AR186:4, AR272:4, AR282:4, AR253:4, AR165:4, AR225:4, AR164:3,

172	HLWAA88	588485	182	<p>AR192:3, AR296:3, AR240:3, AR242:3, AR039:3, AR311:3, AR284:3, AR232:3, AR089:3, AR175:3, AR237:3, AR196:3, AR207:3, AR213:3, AR161:3, AR234:3, AR285:3, AR247:3, AR227:3, AR185:3, AR216:3, AR229:3, AR289:2, AR053:2, AR033:2, AR277:2, AR193:2, AR195:2, AR205:2, AR316:2, AR264:2, AR212:2, AR286:2, AR188:2, AR293:2, AR174:2, AR297:2, AR222:2, AR300:2, AR191:2, AR190:2, AR177:2, AR288:2, AR295:2, AR283:2, AR162:2, AR263:2, AR055:2, AR299:2, AR104:2, AR261:2, AR166:2, AR294:2, AR266:2, AR181:2, AR214:2, AR189:2, AR259:2, AR246:2, AR201:1, AR060:1, AR257:1, AR204:1, AR233:1, AR199:1, AR179:1, AR173:1, AR200:1, AR258:1, AR210:1, AR252:1, AR168:1, AR256:1, AR194:1, AR255:1, AR236:1, S0410:24, L0748:18, S0436:12, H0547:8, L0731:8, H0556:7, H0039:6, L0666:6, H0046:5, H0059:5, L0775:5, L0439:5, L0755:5, H0622:4, L0662:4, L0740:4, L0751:4, L0779:4, H0575:3, H0553:3, H0529:3, L0769:3, L0659:3, L5623:3, L0588:3, L0593:3, S0011:3, H0255:2, S0418:2, S0442:2, S0046:2, H0586:2, S0049:2, H0424:2, H0644:2, H0560:2, H0561:2, S0002:2, S0426:2, L0763:2, L0772:2, L0646:2, L0655:2, L0527:2, L0518:2, L0783:2, L0809:2, L0665:2, L0438:2, H0519:2, H0689:2, H0672:2, H0555:2, H0631:2, S0206:2, L0757:2, L0758:2, L0485:2, L0608:2, L0601:2, H0543:2, H0171:1, H0265:1, S0040:1, H0294:1, T0049:1, S0134:1, H0583:1, H0657:1, H0484:1, H0661:1, H0125:1, S0420:1, S0358:1, S0360:1, S0408:1, H0580:1, H0742:1, S0132:1, S0476:1, H0550:1, H0431:1, H0592:1, H0587:1, H0333:1, H0270:1, H0013:1, H0599:1, T0082:1, H0318:1, H0251:1, T0110:1, H0545:1, H0150:1, H0041:1, H0620:1, H0024:1, H0057:1, H0014:1, S0051:1, H0083:1, S0024:1, H0355:1, H0266:1, H0271:1, H0188:1, S0250:1, H0328:1, H0615:1, L0483:1, H0030:1, H0031:1, H0111:1, H0032:1, H0383:1, H0674:1, H0211:1, L0456:1, H0068:1, H0135:1, H0040:1, H0634:1, H0051:1, H0412:1, S0450:1, H0647:1, H0646:1, S0144:1, S0142:1, S0344:1, S0210:1, L0761:1, L0372:1, L0764:1, L0767:1, L0768:1, L0649:1, L5574:1, L0375:1, L0651:1, L0784:1, L0654:1, L0807:1, L0515:1, L0658:1, L0383:1, L0663:1, L0664:1, S0006:1, H0520:1, H0593:1, H0682:1, H0684:1, H0658:1, H0670:1, H0696:1, S0406:1, S0027:1, L0754:1, L0747:1, L0750:1, L0752:1, S0434:1, L0591:1, L0603:1, S0106:1, H0668:1, H0542:1 and H0423:1.</p>
				<p>AR308:21, AR311:17, AR312:17, AR214:14, AR246:13, AR172:13, AR165:12, AR170:11, AR195:11, AR193:11, AR171:11, AR169:11, AR309:11, AR222:10, AR192:10, AR223:10, AR217:10, AR207:10, AR216:10, AR295:10, AR201:10, AR271:10, AR291:9, AR224:9, AR264:9, AR215:9, AR197:9, AR285:9, AR166:9, AR164:9, AR205:9, AR297:8, AR162:8, AR263:8, AR188:8, AR287:8, AR250:8, AR210:8, AR296:8, AR161:8, AR252:8, AR235:7, AR163:7, AR213:7, AR196:7, AR212:7, AR243:7, AR168:7, AR261:7, AR238:7, AR253:7, AR245:7, AR262:7, AR176:7, AR232:6, AR183:6, AR174:6, AR191:6, AR275:6, AR270:6, AR200:6, AR236:6, AR288:6, AR177:6, AR240:6, AR286:6, AR247:6, AR282:6, AR180:6, AR226:6, AR254:6, AR294:6, AR227:6, AR060:6, AR231:6, AR289:6, AR237:6, AR242:6, AR199:6, AR185:6, AR204:6, AR198:6, AR053:6, AR225:6, AR293:6, AR175:6, AR268:5, AR061:5, AR189:5, AR033:5, AR173:5, AR299:5, AR190:5, AR269:5, AR239:5, AR272:5, AR316:5, AR300:5, AR233:5, AR257:5, AR228:5, AR290:5, AR179:5, AR234:5, AR039:5, AR211:5, AR089:5, AR182:5, AR255:5, AR266:5, AR274:5, AR277:5, AR181:5, AR104:5, AR258:4, AR178:4, AR229:4, AR203:4, AR055:4, AR313:4, AR267:4, AR230:4, AR096:4, AR260:4, AR283:4, AR256:3, AR219:3, AR218:3, AR221:3, L0803:7, L0774:4, H0553:3, L0771:3, H0662:2, L5566:2, L0794:2, L0752:2, H0592:1, H0412:1, L2270:1, L0807:1, L0793:1, H0593:1, L0747:1, L0755:1 and S0434:1.</p>
	HLWAA88	769166	433	
173	HLWAD77	653513	183	AR263:12, AR219:10, AR269:10, AR184:10, AR089:10, AR290:9, AR218:9, AR238:9, AR291:9, AR282:9, AR241:8,

174	HLWAE11	783071	184	<p>AR296:8, AR248:8, AR268:8, AR183:8, AR096:8, AR039:8, AR277:8, AR231:8, AR299:7, AR316:7, AR060:7, AR053:7, AR185:7, AR313:7, AR182:7, AR251:7, AR237:6, AR192:6, AR240:6, AR309:6, AR253:6, AR314:6, AR270:6, AR249:6, AR274:6, AR266:5, AR234:5, AR243:5, AR104:5, AR186:5, AR300:5, AR052:5, AR213:5, AR265:5, AR285:5, AR226:5, AR273:5, AR298:5, AR229:5, AR310:4, AR267:4, AR275:4, AR247:4, AR206:4, AR232:4, AR280:4, AR284:4, AR289:4, AR175:4, AR246:4, AR033:3, AR315:3, AR256:3, AR055:3, AR283:3, AR286:3, AR294:3, AR295:3, AR198:3, AR227:3, AR293:3, AR233:2, AR205:2, AR061:2, AR179:2, AR177:2, AR194:2, AR281:2, AR259:2, AR258:2, L0748:10, L0759:6, S0436:4, S0007:3, S0126:3, H0659:3, S0028:3, L0439:3, L0740:3, L0749:3, L0777:3, L0755:3, S0376:2, H0250:2, H0046:2, H0673:2, H0038:2, H0412:2, H0494:2, H0529:2, L0770:2, L0768:2, L0766:2, L0805:2, L0745:2, L0750:2, L0779:2, L0757:2, T0002:1, L3642:1, L3643:1, H0583:1, S0116:1, H0341:1, S0358:1, S0444:1, S0360:1, L3645:1, L3649:1, H0580:1, S0045:1, S0476:1, H0261:1, H0642:1, H0574:1, H0485:1, H0486:1, T0040:1, L3655:1, H0599:1, H0581:1, H0052:1, H0251:1, T0110:1, H0150:1, H0083:1, H0266:1, H0687:1, S0214:1, H0553:1, H0372:1, H0616:1, H0100:1, S0112:1, S0438:1, S0150:1, H0641:1, S0142:1, L0764:1, L0767:1, L0775:1, L0806:1, L0653:1, L0776:1, L0791:1, L0666:1, L0665:1, S0428:1, L0438:1, H0689:1, H0435:1, H0660:1, H0648:1, S0328:1, S0330:1, H0539:1, L0602:1, S0152:1, H0522:1, S0406:1, S0027:1, L0753:1, L0731:1, L0758:1, S0434:1, S0276:1, S0196:1 and H0423:1.</p>
175	HLWAO22	587270	185	<p>AR242:67, AR192:47, AR164:43, AR173:37, AR165:37, AR161:36, AR195:36, AR313:35, AR162:35, AR198:34, AR166:33, AR204:32, AR212:32, AR193:30, AR163:30, AR197:29, AR277:28, AR275:28, AR245:27, AR213:26, AR243:26, AR207:26, AR053:26, AR257:25, AR312:25, AR299:25, AR264:24, AR254:24, AR191:23, AR247:23, AR308:23, AR205:22, AR274:21, AR189:21, AR263:21, AR311:21, AR271:20, AR039:19, AR104:19, AR201:19, AR240:19, AR300:19, AR199:18, AR246:17, AR188:17, AR089:17, AR309:17, AR253:16, AR272:15, AR252:15, AR282:14, AR185:14, AR033:13, AR250:12, AR096:12, AR316:12, AR203:12, AR190:11, AR176:11, AR175:10, AR214:10, AR060:10, AR258:9, AR177:9, AR168:9, AR270:8, AR283:8, AR180:8, AR174:8, AR217:8, AR235:7, AR196:7, AR293:7, AR216:7, AR170:7, AR262:7, AR171:7, AR181:7, AR236:7, AR169:6, AR229:6, AR297:6, AR224:6, AR268:6, AR286:6, AR295:6, AR261:6, AR172:6, AR178:5, AR222:5, AR238:5, AR285:5, AR223:5, AR221:5, AR269:5, AR183:5, AR179:5, AR234:5, AR289:5, AR055:5, AR288:5, AR237:5, AR233:5, AR215:5, AR296:5, AR200:5, AR255:4, AR061:4, AR287:4, AR294:4, AR226:4, AR225:4, AR230:4, AR231:4, AR291:4, AR290:4, AR182:4, AR239:4, AR266:3, AR227:3, AR211:3, AR228:3, AR210:3, AR256:3, AR260:3, AR219:3, AR267:3, AR232:3, AR218:2, H0056:2, H0050:1, H0266:1, H0553:1, H0521:1 and L0748:1.</p> <p>AR214:8, AR217:6, AR222:5, AR215:5, AR221:5, AR309:4, AR275:4, AR163:4, AR161:4, AR162:4, AR170:4, AR224:4, AR171:4, AR165:4, AR253:3, AR225:3, AR164:3, AR166:3, AR168:3, AR223:3, AR263:3, AR169:3, AR311:3, AR264:3, AR197:3, AR216:3, AR271:3, AR183:3, AR308:3, AR053:3, AR096:3, AR291:3, AR296:3, AR312:3, AR245:2, AR289:2, AR104:2, AR240:2, AR316:2, AR300:2, AR269:2, AR196:2, AR272:2, AR247:2, AR185:2, AR176:2, AR177:2, AR178:2, AR213:2, AR192:2, AR181:2, AR277:2, AR234:2, AR205:2, AR229:2, AR282:2, AR055:2, AR061:2, AR274:2, AR243:2, AR060:2, AR212:2, AR226:2, AR257:2, AR313:2, AR231:2, AR255:2, AR268:2, AR089:2, AR179:2, AR287:2, AR261:2, AR203:2, AR233:1, AR283:1, AR290:1, AR258:1, AR288:1, AR210:1, AR285:1, AR039:1, AR193:1, AR191:1, AR299:1, AR293:1, AR238:1, L0439:8, L0751:6, L0747:6, L0665:5, L0438:4, L0779:4, H0012:3, L0748:3, H0620:2,</p>

176	HLWBH18	1045194	186	H0594:2, H0424:2, H0553:2, S0144:2, L0769:2, L0771:2, L0809:2, H0144:2, H0593:2, S0027:2, L0777:2, L0758:2, L0587:2, H0422:2, H0171:1, H0713:1, H0664:1, H0619:1, S0222:1, H0492:1, L3653:1, H0618:1, H0253:1, H0581:1, H0052:1, H0150:1, H0024:1, S0388:1, S0364:1, H0135:1, H0040:1, L0640:1, L3905:1, L0761:1, L0372:1, L0773:1, L0648:1, L0662:1, L0766:1, L0774:1, L0629:1, L0666:1, L0664:1, H0658:1, H0521:1, S3014:1, H0543:1 and H0423:1.
				AR223:70, AR214:68, AR196:64, AR169:59, AR216:58, AR224:58, AR313:57, AR222:56, AR207:55, AR212:55, AR173:54, AR171:53, AR236:53, AR215:52, AR213:49, AR192:49, AR163:49, AR217:48, AR205:47, AR172:47, AR245:46, AR225:46, AR263:46, AR221:46, AR089:46, AR199:45, AR053:45, AR168:44, AR218:44, AR166:44, AR299:44, AR164:42, AR242:41, AR274:40, AR219:40, AR240:40, AR247:40, AR165:40, AR170:40, AR175:40, AR161:40, AR312:39, AR188:38, AR235:38, AR162:37, AR195:37, AR264:36, AR174:36, AR177:36, AR096:36, AR246:36, AR308:36, AR189:35, AR039:35, AR210:35, AR229:34, AR311:34, AR198:34, AR316:34, AR261:33, AR262:32, AR296:32, AR309:32, AR288:32, AR181:32, AR258:32, AR185:32, AR300:32, AR295:31, AR191:30, AR178:30, AR060:30, AR179:29, AR291:29, AR285:29, AR200:28, AR297:28, AR180:27, AR197:27, AR183:27, AR270:27, AR193:27, AR275:27, AR290:27, AR234:26, AR230:26, AR201:26, AR226:26, AR282:26, AR286:25, AR293:24, AR203:24, AR287:23, AR033:23, AR268:23, AR231:23, AR204:23, AR277:23, AR271:23, AR257:23, AR182:23, AR238:23, AR190:22, AR272:22, AR237:21, AR252:21, AR269:21, AR176:21, AR211:21, AR294:21, AR289:21, AR260:20, AR104:20, AR233:20, AR239:19, AR256:19, AR283:19, AR255:19, AR243:19, AR227:18, AR266:17, AR232:16, AR228:16, AR267:15, AR254:13, AR250:13, AR253:12, AR055:11, AR061:9 H0553:1
177	HLWBH18	889277	434	AR180:20, AR181:14, AR268:6, AR219:5, AR218:5, AR269:5, AR179:5, AR273:5, AR178:4, AR173:4, AR184:4, AR183:4, AR176:4, AR270:3, AR221:3, AR215:3, AR175:3, AR282:3, AR214:3, AR052:3, AR267:2, AR309:2, AR202:2, AR253:2, AR312:2, AR162:2, AR266:2, AR182:2, AR165:2, AR216:2, AR171:2, AR190:1, AR213:1, AR192:1, AR243:1, AR186:1, AR229:1, AR257:1, AR205:1, AR053:1, AR313:1, AR230:1, AR274:1, AR174:1, AR272:1, AR280:1, AR240:1, AR252:1, AR316:1, AR277:1, AR284:1, AR263:1, AR172:1, AR096:1, AR271:1 H0553:7, H0412:4, L0747:4, L0779:4, L0777:4, H0615:3, L0766:3, H0519:3, L0755:3, L0591:3, H0413:2, L0768:2, L0794:2, L0754:2, L0759:2, L0588:2, H0624:1, H0716:1, T0049:1, S0212:1, S0045:1, S0278:1, H0497:1, L0021:1, T0048:1, L0471:1, L0194:1, H0644:1, L0142:1, H0269:1, H0056:1, H0059:1, L0475:1, S0422:1, L0761:1, L0646:1, L0806:1, L0655:1, L0789:1, L0791:1, H0144:1, H0726:1, H0547:1, H0659:1, H0214:1, L0780:1, L0757:1, L0758:1, L0362:1, S0026:1, H0665:1, H0542:1 and H0543:1.
178	HLYAC95	778075	188	AR176:19, AR182:14, AR261:10, AR192:9, AR262:9, AR191:8, AR255:7, AR296:7, AR231:7, AR201:6, AR232:6, AR234:6, AR233:6, AR228:6, AR183:6, AR246:6, AR229:6, AR239:6, AR200:6, AR287:5, AR207:5, AR291:5, AR260:5, AR294:5, AR245:5, AR179:5, AR243:5, AR266:5, AR177:5, AR168:5, AR285:5, AR162:5, AR289:5, AR185:4, AR237:4, AR161:4, AR221:4, AR236:4, AR264:4, AR274:4, AR215:4, AR222:4, AR223:4, AR309:4, AR193:4, AR290:4, AR313:3, AR196:3, AR263:3, AR174:3, AR204:3, AR293:3, AR205:3, AR189:3, AR217:3, AR282:3, AR033:3, AR257:3, AR288:3, AR203:3, AR312:2, AR267:2, AR275:2, AR216:2, AR295:2, AR311:2, AR258:2, AR316:2, AR181:2, AR225:2, AR061:2, AR214:2, AR240:2, AR039:2, AR299:2, AR170:2, AR252:2, AR199:2, AR238:2, AR247:2, AR256:2, AR089:2, AR224:2, AR219:2, AR096:2, AR211:2, AR188:1, AR175:1, AR300:1, AR226:1, AR173:1, AR286:1,

179	HMADK33	561941	189	AR269:1, H0445:1 AR283:32, AR096:20, AR089:18, AR218:17, AR104:17, AR277:16, AR039:16, AR316:15, AR282:15, AR055:13, AR219:13, AR060:13, AR313:13, AR299:12, AR252:9, AR185:8, AR240:8, AR300:8, AR253:8, AR271:7, AR245:6, AR309:6, AR215:6, AR170:6, AR198:6, AR195:5, AR169:5, AR053:5, AR254:5, AR311:5, AR214:5, AR264:5, AR225:5, AR223:5, AR224:5, AR197:5, AR263:5, AR266:4, AR217:4, AR312:4, AR193:4, AR308:4, AR161:4, AR213:4, AR162:4, AR180:4, AR212:4, AR163:4, AR216:4, AR168:4, AR291:4, AR222:4, AR295:4, AR177:4, AR183:4, AR165:4, AR275:4, AR192:4, AR221:4, AR235:4, AR261:4, AR269:3, AR270:3, AR176:3, AR164:3, AR210:3, AR288:3, AR172:3, AR033:3, AR205:3, AR181:3, AR246:3, AR166:3, AR171:3, AR175:3, AR236:3, AR296:3, AR285:3, AR188:3, AR207:3, AR247:3, AR199:3, AR201:3, AR243:3, AR267:3, AR297:3, AR293:3, AR255:3, AR182:3, AR294:3, AR268:2, AR286:2, AR289:2, AR257:2, AR204:2, AR287:2, AR258:2, AR230:2, AR200:2, AR173:2, AR196:2, AR238:2, AR274:2, AR174:2, AR262:2, AR189:2, AR228:2, AR179:2, AR211:2, AR191:2, AR231:2, AR290:2, AR203:2, AR232:2, AR229:2, AR233:2, AR190:2, AR227:2, AR272:2, AR234:2, AR239:2, AR178:2, AR237:2, AR061:1, AR226:1, AR260:1, AR256:1, L0438:9, L0439:9, L0776:8, H0144:7, L0741:7, H0271:6, S0222:5, L0769:5, H0052:4, L0770:4, L0766:4, L0659:4, L0666:4, L0759:4, H0295:3, S0360:3, L0370:3, L0510:3, H0556:2, S0007:2, H0261:2, L0021:2, H0046:2, H0009:2, S0051:2, S0366:2, H0059:2, L0763:2, L0784:2, L0633:2, L0783:2, L0789:2, L0790:2, L0792:2, L0743:2, L0747:2, L0749:2, L0756:2, L0757:2, L0758:2, H0445:2, L0588:2, L0594:2, L0366:2, H0265:1, S024:1, H0638:1, S0376:1, S0045:1, H0550:1, H0370:1, H0587:1, N0009:1, H0013:1, S0280:1, H0599:1, S0010:1, S0049:1, H0545:1, H0457:1, H0569:1, H0012:1, H0373:1, H0051:1, H0510:1, H0266:1, H0179:1, H0416:1, H0328:1, S0036:1, H0634:1, H0087:1, H0412:1, L0351:1, S0144:1, L0638:1, L0761:1, L0646:1, L0662:1, L0767:1, L0768:1, L0388:1, L0803:1, L0774:1, L0775:1, L0375:1, L0651:1, L0806:1, L0515:1, L0809:1, S0428:1, S0216:1, H0699:1, H0693:1, H0684:1, H0710:1, H0521:1, H0696:1, H0187:1, H0436:1, S0028:1, L0750:1, L0779:1, L0731:1, S0260:1, H0595:1, L0599:1, S0192:1, S0276:1, H0542:1 and H0352:1.
180	HMADS41	596831	190	AR218:19, AR219:19, AR283:12, AR096:12, AR313:11, AR316:10, AR240:10, AR300:9, AR185:9, AR055:9, AR277:9, AR039:8, AR089:8, AR282:8, AR060:8, AR299:7, AR104:7, L0794:4, L0375:3, H0575:2, L0800:2, L0789:2, H0556:1, H0662:1, S0418:1, H0619:1, H0549:1, H0590:1, H0052:1, H0083:1, H0266:1, H0286:1, H0644:1, S0036:1, H0433:1, H0412:1, H0413:1, T0042:1, S0144:1, S0142:1, S0344:1, L0770:1, L0771:1, L0774:1, H0518:1, L0777:1, L0758:1 and H0665:1.
181	HMAMI15	1352406	191	AR060:14, AR283:13, AR055:10, AR277:9, AR282:9, AR185:9, AR104:9, AR300:8, AR096:8, AR316:8, AR299:8, AR218:7, AR219:7, AR039:7, AR313:6, AR240:6, AR089:6, H0624:2, S0354:2, S0442:1, S0444:1, S0278:1, S0222:1, H0586:1, L0021:1, H0036:1, H0031:1, L0769:1, L0804:1, L0774:1, H0658:1, H0521:1, S0406:1, L0748:1 and S0462:1.
	HMAMI15	1049263	435	
182	HMCIFY13	635301	192	AR176:8, AR161:6, AR162:6, AR266:6, AR181:6, AR269:6, AR163:6, AR172:6, AR228:5, AR267:5, AR233:5, AR055:5, AR268:5, AR229:5, AR165:5, AR309:5, AR238:4, AR183:4, AR178:4, AR164:4, AR237:4, AR215:4, AR257:4, AR182:4, AR166:4, AR168:4, AR217:4, AR236:4, AR239:4, AR261:4, AR180:4, AR291:4, AR222:4, AR290:4, AR270:4, AR170:4, AR177:4, AR060:4, AR240:4, AR282:4, AR247:4, AR272:4, AR275:4, AR293:4, AR288:4, AR171:3, AR169:3, AR255:3, AR289:3, AR179:3, AR203:3, AR175:3, AR264:3, AR231:3, AR061:3, AR225:3, AR191:3, AR294:3, AR287:3, AR230:3,

183	HMDAB56	560676	193	AR223:3, AR226:3, AR173:3, AR232:3, AR234:3, AR200:3, AR214:3, AR221:3, AR216:3, AR224:3, AR196:3, AR227:3, AR104:3, AR199:3, AR285:3, AR262:3, AR277:2, AR311:2, AR297:2, AR300:2, AR096:2, AR190:2, AR295:2, AR174:2, AR188:2, AR316:2, AR286:2, AR312:2, AR089:2, AR263:2, AR189:2, AR313:2, AR258:2, AR274:2, AR053:2, AR283:2, AR299:2, AR185:1, AR296:1, AR204:1, AR260:1, AR210:1, AR039:1, AR218:1, L0800:2, H0550:1, H0497:1, S0344:1, L0769:1, L0789:1 and L0749:1.
184	HMDAM24	514394	194	AR168:4, AR161:4, AR162:4, AR212:4, AR163:4, AR223:4, AR222:4, AR216:4, AR172:4, AR264:3, AR214:3, AR282:3, AR311:3, AR170:3, AR270:3, AR250:3, AR277:3, AR225:3, AR299:3, AR165:3, AR313:3, AR164:3, AR171:2, AR253:2, AR096:2, AR199:2, AR201:2, AR308:2, AR221:2, AR263:2, AR039:2, AR312:2, AR205:2, AR196:2, AR294:2, AR213:2, AR267:2, AR217:2, AR290:2, AR274:2, AR166:2, AR291:2, AR295:2, AR089:2, AR193:2, AR191:1, AR316:1, AR033:1, AR240:1, AR269:1, AR215:1, AR266:1, AR224:1, AR195:1, AR293:1, AR283:1, AR183:1, AR189:1, AR262:1, AR104:1, AR210:1, AR247:1, AR239:1, AR268:1, AR169:1, L0809:2, H0346:1, H0271:1, L0774:1 and L0532:1.
185	HMEAI48	1352290	195	AR313:9, AR162:9, AR161:8, AR163:8, AR235:7, AR165:6, AR164:6, AR096:5, AR166:5, AR089:5, AR264:5, AR275:4, AR196:4, AR300:4, AR282:4, AR193:4, AR271:4, AR173:4, AR274:4, AR261:4, AR242:4, AR247:4, AR199:3, AR240:3, AR312:3, AR257:3, AR258:3, AR263:3, AR185:3, AR172:3, AR175:3, AR229:3, AR181:3, AR262:3, AR053:3, AR174:3, AR272:3, AR299:3, AR308:3, AR309:3, AR236:3, AR296:3, AR316:3, AR270:3, AR311:3, AR200:3, AR182:3, AR191:2, AR234:2, AR277:2, AR033:2, AR217:2, AR218:2, AR104:2, AR230:2, AR060:2, AR233:2, AR293:2, AR179:2, AR291:2, AR212:2, AR246:2, AR243:2, AR169:2, AR295:2, AR178:2, AR297:2, AR214:2, AR188:2, AR177:2, AR195:2, AR226:2, AR203:2, AR238:2, AR268:2, AR189:2, AR198:2, AR266:2, AR168:2, AR183:2, AR227:2, AR269:2, AR255:2, AR237:2, AR231:2, AR176:1, AR171:1, AR061:1, AR228:1, AR239:1, AR267:1, AR287:1, AR201:1, AR213:1, AR285:1, AR252:1, AR283:1, AR294:1, AR289:1, AR180:1, AR286:1, L0748:9, L0754:6, L0605:6, H0031:4, S0126:4, H0740:3, S0046:3, H0052:2, S0422:2, L0803:2, L0666:2, L0663:2, S0330:2, L0750:2, H0086:1, H0346:1, S0420:1, H0733:1, H0619:1, H0431:1, H0156:1, H0575:1, H0590:1, H0581:1, H0046:1, H0123:1, H0050:1, H0373:1, H0083:1, H0266:1, H0553:1, H0628:1, H0598:1, S0036:1, H0100:1, H0494:1, H0561:1, S0440:1, L0662:1, L0794:1, L0381:1, L0650:1, L0776:1, L0540:1, L0791:1, H0144:1, S0328:1, S0152:1, H0696:1, S0406:1, S3014:1, L0752:1, S0260:1, S0436:1, L0604:1, L0593:1, S0242:1 and H0543:1.
186	HMEED18	560775	196	AR096:11, AR270:10, AR253:10, AR243:9, AR242:8, AR213:8, AR264:7, AR263:7, AR039:7, AR250:6, AR300:6, AR309:6, AR161:6, AR162:6, AR313:6, AR163:5, AR268:5, AR312:5, AR173:5, AR282:5, AR275:5, AR176:4, AR166:4, AR246:4, AR212:4, AR240:4, AR165:4, AR254:4, AR164:4, AR089:4, AR193:4, AR195:4, AR170:4, AR311:4, AR269:4, AR308:4, AR197:3, AR247:3, AR245:3, AR299:3, AR335:3, AR252:3, AR221:3, AR316:3, AR266:3, AR225:3, AR053:3, AR177:3, AR214:2, AR228:2, AR201:2, AR234:2, AR060:2, AR283:2, AR267:2, AR229:2, AR272:2, AR231:2, AR198:2, AR104:2, AR185:2, AR174:2, AR175:2, AR237:2, AR181:2, AR055:2, AR289:2, AR207:2, AR226:2, AR179:2, AR290:2, AR239:2, AR233:2, AR257:2, AR217:2, AR277:1, AR261:1, AR061:1, AR238:1, AR171:1, AR223:1, AR260:1, H0266:1
186	HMEED18	560775	196	AR252:37, AR186:32, AR250:28, AR169:20, AR254:19, AR207:17, AR244:17, AR195:16, AR033:15, AR284:15, AR291:15, AR214:14, AR165:14, AR298:14, AR264:14, AR222:14, AR181:13, AR245:13, AR164:13, AR197:13, AR246:13, AR224:13, AR168:13, AR253:13, AR308:13, AR223:12, AR269:12, AR285:12, AR225:12, AR263:12,

187	HMEFT54	520307	197	AR212:12, AR172:12, AR166:12, AR274:12, AR311:12, AR162:12, AR161:12, AR163:12, AR184:12, AR215:11, AR192:11, AR221:11, AR052:11, AR240:11, AR104:11, AR183:11, AR171:11, AR174:11, AR170:11, AR176:11, AR173:11, AR193:11, AR206:11, AR201:11, AR053:11, AR292:10, AR288:10, AR231:10, AR237:10, AR261:10, AR235:10, AR295:10, AR273:10, AR236:10, AR293:10, AR312:10, AR216:10, AR205:10, AR217:10, AR178:10, AR196:10, AR213:10, AR061:10, AR270:9, AR243:9, AR290:9, AR282:9, AR191:9, AR182:9, AR268:9, AR188:9, AR286:9, AR267:9, AR189:9, AR238:9, AR229:9, AR177:9, AR226:9, AR294:9, AR242:9, AR289:9, AR175:8, AR299:8, AR310:8, AR266:8, AR199:8, AR096:8, AR247:8, AR039:8, AR297:8, AR180:8, AR227:8, AR296:8, AR271:8, AR190:8, AR313:8, AR309:8, AR194:7, AR287:7, AR234:7, AR185:7, AR275:7, AR248:7, AR210:7, AR200:7, AR089:7, AR277:7, AR300:7, AR316:7, AR204:7, AR272:7, AR179:7, AR251:6, AR259:6, AR262:6, AR211:6, AR255:6, AR241:6, AR314:6, AR055:6, AR198:6, AR256:6, AR257:6, AR258:6, AR232:6, AR203:5, AR239:5, AR233:5, AR060:5, AR219:5, AR218:5, AR202:5, AR249:5, AR280:5, AR260:4, AR228:4, AR283:4, AR315:4, AR230:4, AR265:2, L0439:20, L0157:8, L0794:8, L0805:6, H0739:5, L0731:5, L0804:4, S0222:3, L0766:3, L0438:3, S0356:2, H0741:2, H0050:2, S0144:2, L0803:2, L0655:2, L0663:2, L2654:2, H0521:2, H0522:2, L0749:2, L0779:2, L0755:2, L0759:2, H0265:1, S6024:1, S0116:1, S0444:1, H0733:1, S6026:1, H0298:1, H0592:1, L0622:1, H0486:1, H0013:1, H0250:1, H0635:1, H0156:1, S0474:1, H0581:1, H0046:1, L0471:1, H0012:1, H0014:1, H0373:1, H0073:1, H0266:1, S0336:1, H0039:1, S0036:1, H0040:1, H0634:1, H0551:1, H0561:1, S0438:1, S0440:1, H0529:1, L0769:1, L0764:1, L0662:1, L0774:1, L0775:1, L0809:1, L0790:1, L0792:1, L0666:1, L0664:1, L0665:1, L0709:1, L2653:1, H0144:1, H0659:1, H0658:1, H0670:1, S0378:1, H0696:1, H0555:1, H0576:1, S0028:1, L0745:1, L0747:1, L0780:1, S0436:1 and H0668:1.
188	HMEGF92	520304	198	AR060:7, AR055:7, AR039:6, AR282:6, AR223:5, AR196:5, AR089:5, AR104:5, AR269:5, AR176:5, AR161:5, AR162:5, AR182:5, AR240:5, AR163:5, AR096:5, AR231:5, AR165:5, AR299:5, AR235:5, AR207:5, AR309:5, AR204:5, AR313:4, AR243:4, AR181:4, AR246:4, AR316:4, AR164:4, AR166:4, AR300:4, AR277:4, AR183:4, AR170:4, AR228:4, AR185:4, AR229:4, AR255:4, AR274:4, AR221:4, AR266:4, AR283:4, AR247:4, AR290:4, AR236:4, AR261:4, AR294:4, AR267:3, AR192:3, AR270:3, AR178:3, AR175:3, AR169:3, AR234:3, AR179:3, AR275:3, AR262:3, AR252:3, AR199:3, AR197:3, AR219:3, AR253:3, AR233:3, AR061:3, AR264:3, AR271:3, AR180:3, AR173:3, AR263:3, AR295:3, AR193:3, AR177:3, AR288:3, AR237:3, AR257:3, AR268:3, AR195:3, AR174:3, AR286:3, AR218:3, AR191:3, AR239:3, AR171:3, AR203:3, AR250:3, AR285:3, AR287:3, AR188:3, AR216:3, AR297:3, AR296:3, AR189:3, AR201:3, AR214:2, AR226:2, AR291:2, AR293:2, AR232:2, AR222:2, AR200:2, AR190:2, AR258:2, AR168:2, AR272:2, AR312:2, AR289:2, AR308:2, AR260:2, AR230:2, AR272:1, AR210:1, AR311:1, AR242:1, AR256:1, AR033:1, L0757:3, L0662:2, H0686:1, S0444:1, H0266:1, L0055:1, L0763:1, L0800:1, L0764:1, L0768:1, L0805:1, L0653:1, L0666:1, H0690:1, H0672:1, L0751:1, L0777:1 and L0758:1.
188	HMEGF92	520304	198	AR233:16, AR178:13, AR176:13, AR261:11, AR061:11, AR257:11, AR104:11, AR228:10, AR182:10, AR196:10, AR238:10, AR299:9, AR236:9, AR293:8, AR239:8, AR190:8, AR231:8, AR288:8, AR232:8, AR291:8, AR161:8, AR229:8, AR162:8, AR175:8, AR163:7, AR258:7, AR269:7, AR185:7, AR266:7, AR033:7, AR174:7, AR164:6, AR200:6, AR191:6, AR300:6, AR250:6, AR237:6, AR234:6, AR267:6, AR287:6, AR166:6, AR165:5, AR294:5, AR203:5, AR286:5, AR268:5, AR262:5, AR055:5, AR247:5, AR226:5, AR285:5, AR179:5, AR295:5, AR089:5, AR230:5, AR216:5, AR316:5, AR183:5, AR252:5, AR297:5, AR181:5, AR060:5, AR271:5, AR168:4, AR172:4, AR193:4, AR240:4, AR264:4, AR227:4, AR180:4,

				AR207:4, AR309:4, AR188:4, AR296:4, AR177:4, AR275:4, AR289:4, AR189:4, AR255:3, AR198:3, AR235:3, AR215:3, AR260:3, AR171:3, AR246:3, AR096:3, AR313:3, AR290:3, AR214:3, AR221:3, AR274:2, AR039:2, AR217:2, AR197:2, AR210:2, AR204:2, AR312:2, AR213:2, AR277:2, AR272:2, AR225:2, AR199:2, AR222:2, AR211:2, AR053:2, AR308:2, AR311:2, AR224:2, AR173:1, AR270:1, AR282:1, AR283:1, AR201:1, H0266:1, L0438:1 and L0439:1.
189	HMSDL37	973996	199	AR169:5, AR282:3, AR170:3, AR225:2, AR257:2, AR224:2, AR205:2, AR171:2, AR294:2, AR217:1, AR309:1, AR168:1, AR261:1, AR173:1, AR163:1, AR222:1, AR178:1, L0517:2, S0050:1, H0014:1, H0510:1, H0040:1, H0264:1, S0002:1, S0374:1 and L0758:1.
	HMSDL37	895429	437	
	HMSDL37	904241	438	
	HMSDL37	750927	439	
190	HMSFI26	560229	200	AR313:11, AR039:11, AR089:8, AR096:8, AR218:8, AR176:7, AR162:7, AR219:7, AR163:7, AR161:7, AR299:6, AR165:6, AR300:6, AR221:6, AR180:6, AR060:6, AR164:6, AR166:6, AR207:6, AR197:6, AR178:6, AR182:6, AR175:6, AR316:6, AR181:6, AR173:6, AR055:6, AR104:5, AR266:5, AR247:5, AR270:5, AR204:5, AR229:5, AR185:5, AR240:5, AR183:5, AR312:5, AR177:5, AR309:5, AR196:4, AR257:4, AR297:4, AR263:4, AR243:4, AR277:4, AR193:4, AR293:4, AR225:4, AR269:4, AR264:4, AR179:4, AR275:4, AR282:4, AR226:4, AR261:4, AR205:4, AR242:4, AR268:4, AR294:4, AR291:4, AR233:4, AR267:4, AR262:4, AR296:4, AR238:3, AR234:3, AR228:3, AR289:3, AR174:3, AR199:3, AR237:3, AR231:3, AR271:3, AR195:3, AR258:3, AR236:3, AR245:3, AR198:3, AR215:3, AR283:3, AR227:3, AR239:3, AR212:3, AR203:3, AR170:3, AR246:3, AR286:3, AR290:3, AR285:3, AR230:3, AR295:3, AR053:3, AR201:3, AR191:3, AR255:2, AR308:2, AR272:2, AR168:2, AR033:2, AR287:2, AR217:2, AR188:2, AR222:2, AR200:2, AR061:2, AR232:2, AR189:2, AR216:2, AR288:2, AR213:2, AR274:2, AR311:2, AR171:2, AR260:2, AR190:2, AR224:2, AR210:1, AR169:1, S0002:1
191	HMSGT42	383470	201	AR252:134, AR188:50, AR246:49, AR218:49, AR264:47, AR250:47, AR311:46, AR309:44, AR312:43, AR308:42, AR172:42, AR263:41, AR290:40, AR224:39, AR191:39, AR245:38, AR210:37, AR189:36, AR221:35, AR269:35, AR190:35, AR223:34, AR205:33, AR212:33, AR253:32, AR217:32, AR053:31, AR225:30, AR219:30, AR171:30, AR254:29, AR271:29, AR222:28, AR275:28, AR174:28, AR096:28, AR216:28, AR173:27, AR165:26, AR272:26, AR211:25, AR268:25, AR270:25, AR164:25, AR213:25, AR166:24, AR196:24, AR089:24, AR170:24, AR175:24, AR169:23, AR183:23, AR214:23, AR199:23, AR163:22, AR313:22, AR316:21, AR267:21, AR285:20, AR060:20, AR255:20, AR240:20, AR185:20, AR161:19, AR180:19, AR162:19, AR197:19, AR274:19, AR295:19, AR243:19, AR291:18, AR168:18, AR195:17, AR231:17, AR201:17, AR299:17, AR182:16, AR238:16, AR178:16, AR288:16, AR039:16, AR181:16, AR215:16, AR193:15, AR200:14, AR176:14, AR266:14, AR179:14, AR300:14, AR033:13, AR198:13, AR104:13, AR296:13, AR257:13, AR236:12, AR261:12, AR258:12, AR282:12, AR242:12, AR177:12, AR203:12, AR297:11, AR256:11, AR289:11, AR294:11, AR192:10, AR287:10, AR286:10, AR247:10, AR293:9, AR239:9, AR235:9, AR226:9, AR262:9, AR237:9, AR260:9, AR232:9, AR234:8, AR233:7, AR207:7, AR277:7, AR229:6, AR204:6, AR230:5, AR228:5, AR227:5, AR283:5, AR061:3, AR055:3, L0754:14, L0752:14, S0360:11, L0742:10, L0758:9, H0341:8, H0551:8, L0750:8, H0046:7, S0003:7, L0749:7, H0170:6, S0354:6, S0408:6, L0483:6, H0038:6, L0771:6, H0144:6, S0152:6, L0439:6, L0747:6, H0543:6, H0486:5, S0440:5, L0775:5, S0374:5, S0126:5, S0380:5, L0745:5, H0013:4, T0067:4, S0002:4, L0769:4, L0662:4, L0774:4, L0806:4, L0664:4, L0665:4, L0740:4, S0026:4, S0192:4,

192	HMSHM14	461897	202	H0624:3, H0657:3, H0580:3, H0581:3, H0050:3, H0039:3, H0622:3, H0031:3, S0142:3, L0520:3, L0646:3, L0766:3, L0518:3, L0438:3, H0547:3, H0659:3, L0731:3, L0596:3, S0116:2, H0662:2, H0638:2, S0358:2, S0376:2, S0046:2, H0393:2, H0431:2, S0280:2, H0156:2, H0575:2, H0327:2, L0471:2, H0620:2, H0051:2, H0083:2, H0553:2, H0644:2, H0032:2, H0090:2, H0616:2, T0042:2, S0438:2, H0529:2, L0761:2, L0764:2, L0649:2, L0653:2, L0776:2, L0659:2, L0666:2, L0663:2, H0520:2, H0519:2, H0658:2, H0670:2, H0660:2, H0539:2, H0521:2, H0522:2, H0696:2, S012:2, L0759:2, S0031:2, H0595:2, S0434:2, L0589:2, L0605:2, L0608:2, L0604:2, L0593:2, L0601:2, H0667:2, S0194:2, H0171:1, T0002:1, H0220:1, H0159:1, S0342:1, S0218:1, H0650:1, H0656:1, H0669:1, H0664:1, L0481:1, S0418:1, S0356:1, S0442:1, H0637:1, S0045:1, H0619:1, H0437:1, H0549:1, S0222:1, H0600:1, H0586:1, H0587:1, H0574:1, T0114:1, H0427:1, L0021:1, H0599:1, H0042:1, H0590:1, H0004:1, S0010:1, S0346:1, H0251:1, H0545:1, H0172:1, H0012:1, H0014:1, H0373:1, S0388:1, H0275:1, S0250:1, S0214:1, H0328:1, H0615:1, H0628:1, H0598:1, H0591:1, H0634:1, H0264:1, H0412:1, H0413:1, H0623:1, H0059:1, T0041:1, H0560:1, H0625:1, H0366:1, S0450:1, H0130:1, H0641:1, H0647:1, H0649:1, H0652:1, S0144:1, S0344:1, S0422:1, L0762:1, L0763:1, L0637:1, L0772:1, L0372:1, L0768:1, L0794:1, L0387:1, L0661:1, L0629:1, L0788:1, L0792:1, H0593:1, H0689:1, H0711:1, H0435:1, H0666:1, H0648:1, H0672:1, H0710:1, H0518:1, S0190:1, H0694:1, H0436:1, S014:1, S0028:1, L0777:1, L0780:1, L0757:1, H0444:1, H0445:1, H0343:1, L0592:1, H0665:1, S0196:1, H0542:1, H0423:1 and H0506:1.
193	HMSHS36	1127691	203	AR055:34, AR060:32, AR089:16, AR104:16, AR283:14, AR299:13, AR172:12, AR039:12, AR096:11, AR185:11, AR282:10, AR277:10, AR316:9, AR300:9, AR161:7, AR162:7, AR253:7, AR163:7, AR171:7, AR236:7, AR250:6, AR312:6, AR168:6, AR235:6, AR169:6, AR264:5, AR274:5, AR245:5, AR195:5, AR240:5, AR197:5, AR291:5, AR218:5, AR254:5, AR313:5, AR053:5, AR246:4, AR193:4, AR275:4, AR295:4, AR308:4, AR285:4, AR272:4, AR198:4, AR271:4, AR212:4, AR170:4, AR191:4, AR311:4, AR201:4, AR252:4, AR269:4, AR181:4, AR225:4, AR309:4, AR204:3, AR286:3, AR033:3, AR178:3, AR266:3, AR222:3, AR165:3, AR175:3, AR257:3, AR180:3, AR268:3, AR221:3, AR243:3, AR196:3, AR219:3, AR176:3, AR182:3, AR189:3, AR190:3, AR247:3, AR261:3, AR293:3, AR188:3, AR287:3, AR173:3, AR297:3, AR258:3, AR199:3, AR177:3, AR183:3, AR223:3, AR262:3, AR289:3, AR174:3, AR179:3, AR232:3, AR228:3, AR224:3, AR288:2, AR294:2, AR290:2, AR233:2, AR267:2, AR255:2, AR210:2, AR270:2, AR229:2, AR296:2, AR213:2, AR231:2, AR238:2, AR164:2, AR200:2, AR166:2, AR239:2, AR226:2, AR237:2, AR211:2, AR217:2, AR263:2, AR203:2, AR256:2, AR227:2, AR061:2, AR260:2, AR205:2, AR234:1, AR215:1, AR216:1 S0002:1
194	HMSHS36	1028961	440	AR039:6, AR055:5, AR218:5, AR060:5, AR300:5, AR185:4, AR313:4, AR299:4, AR240:4, AR104:3, AR316:3, AR096:3, AR282:3, AR089:3, AR283:2, AR277:1 S0002:1
194	HMSKC04	799540	204	AR313:12, AR173:10, AR161:9, AR162:9, AR163:9, AR258:7, AR196:7, AR175:7, AR257:7, AR240:7, AR247:6, AR262:6, AR264:6, AR180:6, AR096:6, AR179:6, AR183:6, AR185:6, AR269:6, AR176:6, AR274:6, AR234:6, AR299:5, AR191:5, AR233:5, AR229:5, AR181:5, AR293:5, AR178:5, AR291:5, AR300:5, AR287:5, AR270:5, AR089:5, AR275:5, AR236:5, AR255:5, AR266:5, AR218:5, AR296:4, AR199:4, AR294:4, AR231:4, AR238:4, AR177:4, AR182:4, AR268:4, AR297:4, AR226:4, AR260:4, AR174:4, AR219:4, AR228:4, AR261:4, AR267:4, AR203:4, AR316:4, AR200:4, AR285:4, AR290:4, AR288:3, AR239:3, AR215:3, AR309:3, AR189:3, AR230:3, AR286:3, AR237:3, AR172:3, AR295:3, AR190:3, AR245:3, AR033:3, AR188:3, AR217:3, AR053:3, AR312:3, AR311:3, AR060:3, AR272:3, AR104:2, AR165:2, AR164:2,

195	HMUAP70	872208	205	AR250:2, AR166:2, AR282:2, AR263:2, AR227:2, AR232:2, AR171:2, AR243:2, AR170:2, AR289:2, AR308:2, AR039:2, AR213:2, AR061:2, AR055:2, AR210:2, AR225:2, AR256:2, AR212:1, AR235:1, AR211:1, AR193:1, AR216:1, AR201:1, AR205:1 H0264:2, S0002:2, S0114:1 and H0416:1.
				AR104:41, AR281:39, AR194:37, AR202:37, AR283:37, AR089:36, AR246:33, AR265:33, AR315:31, AR280:31, AR244:30, AR263:30, AR096:29, AR205:29, AR310:28, AR282:27, AR198:27, AR274:26, AR273:25, AR314:25, AR316:25, AR060:25, AR271:25, AR206:24, AR309:24, AR243:24, AR219:23, AR312:23, AR241:22, AR218:22, AR213:22, AR192:21, AR299:21, AR033:20, AR313:20, AR251:20, AR053:19, AR277:19, AR247:19, AR204:19, AR055:18, AR039:18, AR300:18, AR240:17, AR295:17, AR232:16, AR052:16, AR185:16, AR275:15, AR183:14, AR177:13, AR229:11, AR238:11, AR227:10, AR226:10, AR292:10, AR256:10, AR231:10, AR175:10, AR234:10, AR186:9, AR293:9, AR248:9, AR253:9, AR237:8, AR258:8, AR294:8, AR249:8, AR259:8, AR061:8, AR285:7, AR266:7, AR284:7, AR233:7, AR268:6, AR286:5, AR291:5, AR289:5, AR179:5, AR267:4, AR270:4, AR296:4, AR298:4, AR182:4, AR269:4, AR184:3, AR290:3 H0556:4, H0013:3, H0052:3, H0090:3, H0591:3, S0010:2, H0046:2, S0214:2, H0032:2, H0056:2, H0529:2, S0432:2, H0171:1, S0134:1, S0212:1, H0431:1, H0587:1, H0559:1, T0039:1, T0112:1, H0575:1, H0421:1, S0049:1, H0050:1, H0012:1, H0510:1, S0628:1, H0181:1, H0617:1, S0036:1, H0413:1, H0623:1, H0059:1, S0386:1, H0494:1, S0126:1, H0539:1, H0543:1 and H0423:1.
	HMUAP70	723302	441	
	HMUAP70	778820	442	
	HMUAP70	674913	443	
	HMUAP70	646810	444	
	HMUAP70	381964	445	
196	HMVBS81	639203	206	AR215:22, AR223:21, AR214:21, AR172:20, AR225:18, AR210:16, AR170:15, AR291:14, AR199:14, AR169:14, AR224:14, AR216:14, AR171:14, AR222:13, AR168:13, AR211:12, AR221:11, AR165:11, AR231:11, AR164:11, AR166:11, AR219:11, AR289:10, AR217:10, AR061:10, AR266:10, AR235:10, AR285:10, AR283:9, AR196:9, AR218:9, AR162:9, AR243:9, AR161:9, AR261:9, AR089:9, AR163:9, AR238:8, AR255:8, AR240:8, AR200:8, AR297:8, AR296:8, AR254:8, AR287:8, AR269:8, AR245:8, AR295:7, AR290:7, AR039:7, AR246:7, AR316:7, AR282:7, AR257:7, AR247:7, AR189:7, AR226:7, AR173:7, AR188:7, AR239:7, AR183:7, AR232:7, AR180:7, AR178:7, AR256:7, AR203:6, AR250:6, AR288:6, AR267:6, AR193:6, AR234:6, AR268:6, AR237:6, AR182:6, AR176:6, AR229:6, AR293:6, AR262:6, AR175:6, AR270:5, AR212:5, AR177:5, AR205:5, AR258:5, AR272:5, AR198:5, AR236:5, AR191:5, AR185:5, AR104:5, AR312:5, AR311:5, AR174:5, AR300:5, AR060:5, AR286:5, AR195:5, AR260:5, AR233:4, AR294:4, AR263:4, AR190:4, AR308:4, AR228:4, AR230:4, AR299:4, AR179:4, AR277:4, AR227:4, AR096:4, AR213:4, AR275:4, AR055:4, AR264:4, AR313:4, AR201:4, AR053:4, AR197:3, AR033:3, AR181:3, AR242:3, AR253:3, AR274:3, AR207:2, AR204:2, AR309:2, AR252:2, AR192:1 H0544:4, L0775:3, L0748:3, H0265:2, H0046:2, T0010:2, H0424:2, L0769:2, L0771:2, L0774:2, L0659:2, L0382:2, H0696:2, L0750:2, L0755:2, L0731:2, L0757:2, L0758:2, L0608:2, H0685:1, S0040:1, S0114:1, S0218:1, L0785:1, H0341:1, S0212:1, H0484:1, H0662:1, S0360:1, H0411:1, H0592:1, L0623:1, H0156:1, H0253:1, H0263:1, H0204:1, H0150:1, H0050:1, H0012:1, H0510:1, H0606:1, L0055:1, S0364:1, H0124:1, H0163:1, H0090:1,

197	HMWDC28	460487	207	H0087:1, H0413:1, H0494:1, H0509:1, S0210:1, L0770:1, L0764:1, L0773:1, L0794:1, L0766:1, L0658:1, L0666:1, S0126:1, S0312:1, S0314:1, L0745:1, L0747:1, L0777:1, S0031:1, S0434:1, L0605:1, L0366:1 and H0543:1. AR245:5, AR176:5, AR198:5, AR161:5, AR162:4, AR204:4, AR163:4, AR207:4, AR271:4, AR309:4, AR266:4, AR164:4, AR165:4, AR166:4, AR181:3, AR221:3, AR039:3, AR252:3, AR089:3, AR254:3, AR216:3, AR182:3, AR291:3, AR177:3, AR257:3, AR224:3, AR264:3, AR312:3, AR268:3, AR238:3, AR275:3, AR296:3, AR178:2, AR179:2, AR228:2, AR215:2, AR267:2, AR196:2, AR229:2, AR295:2, AR311:2, AR055:2, AR233:2, AR282:2, AR096:2, AR270:2, AR288:2, AR269:2, AR191:2, AR246:2, AR289:2, AR053:2, AR185:2, AR300:2, AR285:2, AR286:2, AR234:2, AR236:2, AR262:2, AR316:2, AR174:2, AR255:2, AR231:2, AR313:2, AR060:2, AR201:2, AR294:2, AR287:2, AR237:2, AR243:2, AR212:2, AR240:2, AR226:2, AR232:2, AR290:2, AR283:2, AR061:2, AR261:2, AR308:2, AR168:2, AR247:2, AR203:2, AR239:2, AR253:2, AR175:2, AR277:2, AR217:2, AR293:1, AR190:1, AR272:1, AR193:1, AR227:1, AR297:1, AR213:1, AR230:1, AR258:1, AR188:1, AR180:1, AR033:1, AR195:1, AR199:1, AR183:1, AR211:1, AR235:1 H0341:2, L0803:2, L0439:2, L0747:2, S0376:1, S0360:1, S0222:1, H0674:1, H0038:1, L0655:1, L0809:1, L0666:1, L0754:1, L0756:1, L0757:1 and L0591:1.
198	HMWFT65	562063	208	AR176:6, AR183:6, AR313:6, AR173:6, AR269:6, AR290:6, AR180:6, AR247:5, AR189:5, AR162:5, AR191:5, AR161:5, AR163:5, AR039:5, AR266:5, AR274:4, AR182:4, AR055:4, AR060:4, AR165:4, AR190:4, AR263:4, AR164:4, AR270:4, AR166:4, AR264:4, AR089:4, AR267:4, AR096:4, AR175:4, AR181:4, AR168:3, AR255:3, AR170:3, AR257:3, AR169:3, AR179:3, AR293:3, AR196:3, AR178:3, AR217:3, AR268:3, AR275:3, AR262:3, AR291:3, AR233:3, AR229:3, AR240:3, AR237:3, AR238:3, AR218:3, AR185:3, AR228:3, AR294:3, AR171:3, AR250:3, AR316:3, AR300:3, AR188:3, AR104:3, AR174:3, AR231:3, AR296:3, AR225:3, AR224:3, AR177:3, AR261:3, AR236:3, AR061:3, AR239:3, AR226:3, AR299:3, AR285:3, AR288:3, AR277:2, AR198:2, AR272:2, AR193:2, AR201:2, AR221:2, AR202:2, AR287:2, AR230:2, AR286:2, AR232:2, AR289:2, AR227:2, AR214:2, AR199:2, AR295:2, AR172:2, AR297:2, AR033:2, AR282:2, AR308:2, AR219:2, AR223:2, AR258:2, AR283:2, AR271:2, AR311:1, AR260:1, AR216:1, AR234:1, AR312:1, AR245:1, AR211:1, AR212:1, AR235:1, AR195:1 H0341:1
199	HMWGY65	1308287	209	AR252:173, AR197:148, AR254:148, AR178:122, AR242:117, AR195:115, AR230:108, AR198:97, AR170:89, AR180:88, AR207:86, AR204:86, AR171:82, AR297:78, AR250:78, AR257:76, AR260:75, AR181:75, AR228:73, AR261:71, AR176:70, AR233:69, AR245:67, AR272:67, AR203:67, AR235:65, AR200:64, AR255:62, AR296:62, AR239:62, AR287:59, AR201:58, AR234:57, AR258:57, AR243:57, AR293:56, AR168:56, AR193:56, AR288:54, AR262:53, AR192:52, AR253:52, AR266:52, AR165:51, AR308:49, AR172:48, AR169:48, AR179:48, AR162:47, AR289:47, AR174:46, AR164:44, AR182:44, AR033:44, AR256:44, AR161:43, AR236:43, AR191:43, AR188:43, AR212:43, AR166:43, AR173:41, AR227:41, AR185:41, AR053:40, AR237:40, AR163:40, AR275:38, AR229:36, AR300:35, AR294:35, AR210:33, AR267:32, AR295:32, AR190:32, AR286:31, AR189:31, AR199:31, AR269:31, AR225:31, AR183:30, AR285:30, AR226:27, AR231:27, AR291:27, AR232:26, AR175:26, AR061:25, AR271:25, AR246:25, AR104:25, AR282:24, AR213:24, AR211:24, AR238:23, AR205:23, AR177:22, AR316:22, AR060:22, AR270:22, AR274:21, AR196:21, AR264:21, AR247:20, AR055:19, AR290:19, AR313:18, AR299:18, AR283:18, AR268:17, AR277:17, AR089:16, AR039:16, AR240:15, AR217:14, AR224:13, AR221:13, AR218:13, AR263:12, AR312:12, AR216:12, AR309:11, AR311:11, AR219:10, AR096:10, AR223:6, AR222:6, AR284:5, AR214:4, AR184:4, AR215:4, AR310:3, AR265:3, AR259:3, AR298:2, AR292:2, AR052:2, AR186:2, AR206:1, AR273:1 H0251:6, L0803:4, L0439:4,

					L0794:3, L0659:3, S0206:3, L0749:3, H0624:2, H0713:2, H0341:2, H0599:2, H0575:2, H0050:2, H0328:2, H0413:2, L0805:2, L0776:2, H0716:1, H0662:1, S0356:1, S0360:1, H0733:1, H0208:1, H0586:1, H0333:1, H0486:1, H0618:1, H0318:1, H0123:1, L0471:1, H0024:1, T0006:1, H0644:1, S0210:1, L0769:1, L0638:1, L0648:1, L0662:1, L0804:1, L0375:1, L0806:1, L0783:1, L0809:1, L5622:1, L0789:1, H0689:1, H0539:1, H0789:1, S3014:1, L0744:1, L0751:1, L0777:1, L0731:1, H0445:1 and L2174:1.
	HMWGY65	794987	446		
200	HNEAC05	519340	210		AR176:8, AR224:6, AR266:6, AR171:6, AR223:6, AR162:5, AR161:5, AR181:5, AR182:5, AR178:5, AR163:5, AR267:5, AR228:5, AR055:5, AR269:5, AR235:5, AR238:5, AR309:4, AR236:4, AR268:4, AR239:4, AR270:4, AR183:4, AR290:4, AR261:4, AR214:4, AR053:4, AR255:4, AR218:4, AR257:4, AR060:4, AR229:4, AR180:4, AR237:4, AR177:4, AR263:4, AR226:4, AR288:4, AR179:4, AR061:3, AR169:3, AR287:3, AR222:3, AR240:3, AR190:3, AR173:3, AR168:3, AR264:3, AR175:3, AR262:3, AR231:3, AR293:3, AR170:3, AR230:3, AR291:3, AR289:3, AR275:3, AR172:3, AR300:3, AR234:3, AR227:3, AR216:3, AR272:3, AR282:3, AR033:3, AR217:3, AR316:3, AR096:3, AR165:3, AR286:3, AR213:3, AR185:3, AR225:3, AR191:3, AR252:3, AR174:3, AR247:3, AR164:3, AR308:3, AR188:3, AR219:3, AR295:3, AR166:3, AR311:3, AR285:2, AR089:2, AR232:2, AR297:2, AR313:2, AR104:2, AR312:2, AR283:2, AR199:2, AR294:2, AR189:2, AR203:2, AR299:2, AR196:2, AR200:2, AR274:2, AR277:2, AR212:2, AR246:2, AR211:2, AR258:2, AR260:2, AR256:2, AR039:2, AR296:2 H0179:1
201	HNEEB45	1036397	211		H0179:1 and H0100:1.
	HNEEB45	842650	447		
202	HNEEE24	553558	212		AR161:8, AR162:8, AR163:8, AR055:6, AR165:5, AR166:5, AR164:5, AR060:5, AR172:5, AR313:4, AR169:4, AR053:4, AR269:4, AR275:4, AR089:4, AR242:4, AR263:4, AR176:4, AR264:4, AR192:4, AR240:3, AR182:3, AR205:3, AR039:3, AR235:3, AR096:3, AR212:3, AR257:3, AR268:3, AR282:3, AR195:3, AR270:3, AR104:3, AR200:3, AR197:3, AR228:3, AR185:3, AR173:3, AR316:3, AR299:3, AR233:3, AR236:3, AR189:3, AR191:3, AR283:3, AR311:3, AR300:2, AR309:2, AR267:2, AR255:2, AR229:2, AR225:2, AR245:2, AR290:2, AR295:2, AR193:2, AR308:2, AR312:2, AR277:2, AR266:2, AR237:2, AR221:2, AR199:2, AR274:2, AR238:2, AR242:2, AR262:2, AR213:2, AR181:2, AR216:2, AR180:2, AR218:2, AR261:2, AR061:2, AR247:2, AR289:2, AR178:2, AR287:2, AR175:2, AR293:2, AR297:2, AR177:2, AR190:2, AR285:2, AR226:2, AR231:2, AR219:2, AR183:2, AR179:2, AR239:2, AR196:2, AR291:2, AR217:2, AR201:2, AR288:2, AR227:1, AR272:1, AR258:1, AR294:1, AR296:1, AR232:1, AR214:1, AR260:1, AR168:1, AR174:1, AR171:1 L0747:2, L0758:2, H0580:1 and H0179:1.
203	HNFFC43	753337	213		AR273:25, AR052:20, AR274:13, AR218:10, AR241:9, AR248:9, AR277:8, AR265:8, AR186:8, AR249:8, AR312:8, AR271:8, AR313:8, AR309:7, AR183:7, AR253:7, AR299:7, AR244:6, AR251:6, AR292:6, AR219:6, AR175:6, AR310:6, AR096:5, AR213:5, AR185:5, AR053:5, AR275:5, AR202:5, AR282:5, AR039:4, AR269:4, AR270:4, AR206:4, AR055:4, AR177:4, AR225:4, AR089:4, AR060:4, AR192:4, AR293:4, AR243:4, AR280:4, AR247:4, AR300:4, AR104:4, AR033:4, AR240:4, AR061:3, AR204:3, AR217:3, AR246:3, AR316:3, AR268:3, AR165:3, AR180:3, AR198:3, AR315:3, AR164:3, AR166:3, AR184:3, AR205:3, AR264:3, AR294:3, AR314:3, AR284:3, AR290:3, AR295:2, AR168:2, AR259:2, AR267:2, AR256:2, AR179:2, AR161:2, AR221:2, AR257:2, AR163:2, AR162:2, AR170:2, AR291:2, AR200:2, AR236:2, AR262:2, AR193:2, AR283:2, AR174:2, AR197:2, AR298:2, AR233:1, AR181:1, AR222:1, AR287:1, AR258:1, AR195:1, AR194:1,

204	HNFYI77	634551	214	AR229:1, AR196:1, AR182:1, AR173:1, AR234:1, AR239:1, AR235:1, AR230:1, AR216:1, H0521:6, H0036:2, H0052:2, H0271:2, H0551:2, H0543:2, H0265:1, H0556:1, S0354:1, H0392:1, H0581:1, H0063:1, H0059:1, H0494:1, H0561:1, L3829:1, H0520:1, H0522:1, S0436:1, L0595:1, H0506:1 and L0600:1.
205	HNFJF07	577013	215	AR241:9, AR313:8, AR194:8, AR186:7, AR192:7, AR242:7, AR206:7, AR161:7, AR162:7, AR163:6, AR204:6, AR246:6, AR229:6, AR165:6, AR238:6, AR164:6, AR166:5, AR271:5, AR198:5, AR251:5, AR089:5, AR207:5, AR197:5, AR052:5, AR309:5, AR312:5, AR274:5, AR243:5, AR061:4, AR185:4, AR292:4, AR177:4, AR298:4, AR245:4, AR226:4, AR273:4, AR240:4, AR053:4, AR225:4, AR286:4, AR233:4, AR272:4, AR300:4, AR096:4, AR293:4, AR247:4, AR264:4, AR205:4, AR039:4, AR234:4, AR275:3, AR237:3, AR231:3, AR195:3, AR253:3, AR060:3, AR228:3, AR201:3, AR182:3, AR284:3, AR282:3, AR174:3, AR227:3, AR269:3, AR193:3, AR199:3, AR289:3, AR033:3, AR294:3, AR239:3, AR285:3, AR290:3, AR184:3, AR270:3, AR265:3, AR308:3, AR181:3, AR248:3, AR232:3, AR296:3, AR291:3, AR299:3, AR297:3, AR252:3, AR259:3, AR277:3, AR310:2, AR263:2, AR230:2, AR258:2, AR288:2, AR224:2, AR257:2, AR295:2, AR203:2, AR213:2, AR179:2, AR055:2, AR268:2, AR104:2, AR200:2, AR316:2, AR255:2, AR212:2, AR267:2, AR215:2, AR266:2, AR183:2, AR173:2, AR175:2, AR191:2, AR287:2, AR217:2, AR222:2, AR172:2, AR196:2, AR281:1, AR189:1, AR283:1, AR218:1, AR219:1, AR214:1, AR256:1, AR262:1, AR216:1, AR210:1, L0539:1, S0442:1, H0619:1, H0581:1, T0010:1, H0416:1, H0622:1, H0131:1, H0521:1 and H0653:1.
206	HNGAK47	561488	216	AR104:20, AR055:15, AR060:14, AR229:13, AR283:12, AR039:11, AR313:10, AR089:10, AR096:9, AR316:9, AR161:8, AR162:8, AR299:8, AR163:8, AR165:7, AR282:7, AR164:7, AR166:7, AR185:6, AR240:6, AR300:6, AR274:6, AR219:5, AR053:5, AR277:5, AR263:5, AR309:5, AR275:5, AR172:5, AR181:4, AR250:4, AR257:4, AR236:4, AR177:4, AR218:4, AR261:4, AR228:4, AR171:4, AR266:4, AR183:4, AR178:4, AR238:4, AR264:4, AR225:4, AR235:4, AR255:3, AR215:3, AR293:3, AR286:3, AR233:3, AR179:3, AR222:3, AR234:3, AR262:3, AR237:3, AR247:3, AR182:3, AR287:3, AR168:3, AR272:3, AR294:3, AR288:3, AR170:3, AR196:3, AR174:3, AR269:3, AR175:3, AR297:3, AR268:3, AR226:3, AR223:3, AR201:3, AR311:3, AR239:3, AR290:3, AR200:3, AR231:3, AR308:2, AR195:2, AR199:2, AR061:2, AR227:2, AR216:2, AR285:2, AR312:2, AR296:2, AR271:2, AR232:2, AR180:2, AR270:2, AR291:2, AR258:2, AR230:2, AR191:2, AR289:2, AR224:1, AR246:1, AR295:1, AR188:1, AR193:1, AR217:1, AR242:1, AR214:1, H0271:2, H0581:1, H0051:1, H0163:1, L0599:1 and H0422:1.
207	HNGBC07	1037631	217	AR250:13, AR176:5, AR235:5, AR204:5, AR266:4, AR267:4, AR309:4, AR162:4, AR161:4, AR163:3, AR253:3, AR228:3, AR274:3, AR261:3, AR254:3, AR268:3, AR237:3, AR181:3, AR239:3, AR233:3, AR282:3, AR262:3, AR229:3, AR289:3, AR247:3, AR236:3, AR238:3, AR224:2, AR183:2, AR255:2, AR178:2, AR214:2, AR182:2, AR257:2, AR221:2, AR245:2, AR053:2, AR226:2, AR225:2, AR313:2, AR271:2, AR234:2, AR179:2, AR223:2, AR231:2, AR232:2, AR269:2, AR061:2, AR270:2, AR227:2, AR240:2, AR317:2, AR205:2, AR033:2, AR200:2, AR165:2, AR312:2, AR264:2, AR272:2, AR164:2, AR283:2, AR222:2, AR197:1, AR188:1, AR177:1, AR172:1, AR287:1, AR055:1, AR290:1, AR190:1, AR193:1, AR212:1, AR299:1, AR060:1, AR201:1, AR180:1, AR286:1, AR293:1, AR294:1, AR316:1, AR213:1, AR210:1, AR295:1, H0271:1 and S0052:1.
				AR060:4, AR264:3, AR055:3, AR309:3, AR225:3, AR235:3, AR283:3, AR162:3, AR282:3, AR165:3, AR166:3, AR181:3, AR161:2, AR176:2, AR163:2, AR236:2, AR185:2, AR205:2, AR089:2, AR196:2, AR295:2, AR216:2, AR164:2, AR104:2, AR178:2, AR257:2, AR213:2, AR299:2, AR217:2, AR308:2, AR053:2, AR174:2, AR291:2, AR247:2, AR096:2, AR177:2,

				AR277:2, AR312:2, AR240:2, AR311:2, AR171:2, AR201:2, AR316:2, AR286:2, AR193:2, AR215:2, AR242:2, AR271:2, AR204:2, AR287:2, AR296:2, AR223:2, AR269:2, AR289:2, AR190:2, AR261:2, AR272:2, AR262:2, AR300:2, AR033:2, AR212:2, AR191:2, AR233:2, AR293:2, AR218:2, AR182:1, AR221:1, AR061:1, AR179:1, AR039:1, AR229:1, AR263:1, AR268:1, AR172:1, AR227:1, AR274:1, AR245:1, AR246:1, AR270:1, AR222:1, AR231:1, AR175:1, AR313:1, AR195:1, AR234:1, AR230:1, AR285:1, AR267:1, AR224:1, AR203:1, AR297:1, AR214:1, AR290:1, AR243:1, AR173:1, AR189:1 S0052:2
	HNGBC07	904311	448	
	HNGBC07	904812	449	
208	HNGDG40	532617	218	AR192:7, AR169:4, AR188:4, AR180:3, AR253:3, AR274:3, AR230:3, AR176:2, AR171:2, AR224:2, AR252:2, AR207:2, AR257:2, AR282:2, AR168:2, AR172:2, AR277:2, AR177:2, AR297:2, AR266:2, AR243:2, AR237:2, AR233:1, AR161:1, AR300:1, AR228:1, AR175:1, AR195:1, AR162:1, AR163:1, AR239:1, AR285:1, AR311:1, AR269:1, AR181:1, AR231:1, AR166:1, AR215:1, AR291:1, AR255:1 S0052:1
209	HNGEP09	499076	219	AR221:6, AR223:3, AR264:3, AR168:3, AR170:3, AR282:3, AR172:2, AR252:2, AR197:2, AR245:2, AR300:2, AR217:2, AR176:2, AR183:2, AR311:2, AR225:1, AR215:1, AR096:1, AR224:1, AR240:1, AR291:1, AR188:1, AR309:1, AR089:1, AR277:1, AR181:1, AR283:1, AR171:1 S0052:2
210	HNGFR31	553552	220	AR060:6, AR252:6, AR055:6, AR053:5, AR161:4, AR162:4, AR254:4, AR163:4, AR309:4, AR089:4, AR235:3, AR236:3, AR104:3, AR283:3, AR165:3, AR216:3, AR164:3, AR300:3, AR166:3, AR181:3, AR185:3, AR177:3, AR228:3, AR263:3, AR299:3, AR183:3, AR267:3, AR039:3, AR182:3, AR176:2, AR197:2, AR240:2, AR201:2, AR277:2, AR289:2, AR291:2, AR282:2, AR266:2, AR293:2, AR316:2, AR255:2, AR096:2, AR238:2, AR180:2, AR257:2, AR175:2, AR218:2, AR233:2, AR215:2, AR285:2, AR264:2, AR231:2, AR239:2, AR274:2, AR229:2, AR207:2, AR262:2, AR179:2, AR286:2, AR173:2, AR288:2, AR188:2, AR198:2, AR214:2, AR192:2, AR287:2, AR190:2, AR261:2, AR237:2, AR211:2, AR297:2, AR313:2, AR178:2, AR200:2, AR247:2, AR227:2, AR270:2, AR203:2, AR269:2, AR226:2, AR290:2, AR191:2, AR212:1, AR219:1, AR268:1, AR271:1, AR275:1, AR272:1, AR189:1, AR168:1, AR294:1, AR312:1, AR174:1, AR224:1, AR234:1, AR061:1, AR193:1, AR213:1, AR258:1, AR311:1, AR222:1 S0052:1
211	HNGIU31	519120	221	AR231:7, AR039:6, AR221:5, AR313:4, AR096:4, AR180:4, AR055:4, AR060:4, AR104:4, AR161:4, AR162:4, AR163:4, AR275:4, AR183:4, AR089:3, AR205:3, AR300:3, AR272:3, AR246:3, AR274:3, AR225:3, AR269:3, AR181:3, AR299:3, AR165:3, AR164:3, AR166:3, AR175:3, AR173:3, AR191:3, AR198:3, AR277:3, AR185:3, AR270:3, AR182:3, AR240:3, AR033:3, AR316:3, AR176:2, AR267:2, AR261:2, AR204:2, AR266:2, AR257:2, AR291:2, AR216:2, AR218:2, AR264:2, AR214:2, AR219:2, AR222:2, AR224:2, AR195:2, AR189:2, AR190:2, AR201:2, AR283:2, AR288:2, AR196:2, AR309:2, AR179:2, AR285:2, AR271:2, AR290:2, AR263:2, AR296:2, AR282:2, AR172:2, AR178:2, AR293:2, AR193:2, AR226:2, AR233:1, AR199:1, AR312:1, AR234:1, AR228:1, AR247:1, AR230:1, AR061:1, AR255:1, AR188:1, AR238:1, AR287:1, AR268:1, AR236:1, AR217:1, AR258:1, AR262:1, AR174:1, AR295:1, AR192:1
212	HNGJE50	561568	222	AR039:15, AR313:14, AR161:14, AR162:14, AR163:13, AR165:12, AR166:11, AR164:11, AR089:11, AR096:10, AR178:9, AR229:9, AR299:8, AR300:8, AR198:8, AR060:7, AR185:7, AR245:7, AR271:7, AR182:7, AR176:7, AR053:7, AR180:7, AR316:7, AR247:7, AR240:6, AR173:6, AR274:6, AR055:6, AR266:6, AR181:6, AR257:6, AR175:6, AR179:6, AR183:6, AR233:6, AR252:6, AR239:6, AR204:6, AR282:6, AR177:6, AR104:5, AR277:5, AR309:5, AR264:5,

213	HNGJT54	498272	223	AR269:5, AR228:5, AR243:5, AR197:5, AR207:5, AR312:5, AR226:5, AR275:5, AR192:5, AR219:5, AR196:5, AR270:5, AR212:5, AR293:5, AR237:5, AR238:5, AR253:5, AR236:5, AR218:4, AR268:4, AR262:4, AR261:4, AR267:4, AR234:4, AR246:4, AR201:4, AR283:4, AR258:4, AR191:4, AR296:4, AR171:4, AR254:4, AR213:4, AR272:4, AR230:4, AR308:4, AR255:4, AR231:4, AR235:4, AR289:3, AR199:3, AR061:3, AR291:3, AR297:3, AR286:3, AR288:3, AR205:3, AR222:3, AR263:3, AR227:3, AR193:3, AR200:3, AR214:3, AR290:3, AR033:3, AR294:3, AR203:3, AR256:2, AR295:2, AR285:2, AR232:2, AR287:2, AR189:2, AR195:2, AR224:2, AR225:2, AR216:2, AR188:2, AR311:2, AR260:2, AR190:2, AR242:2, AR210:1, AR172:1, AR170:1, AR211:1 S0052:1
214	HNGND37	839224	224	AR183:5, AR266:5, AR214:4, AR161:4, AR162:4, AR267:4, AR192:4, AR269:4, AR163:4, AR282:4, AR181:4, AR236:4, AR228:4, AR182:3, AR233:3, AR221:3, AR309:3, AR257:3, AR177:3, AR288:3, AR291:3, AR178:3, AR180:3, AR169:3, AR173:3, AR176:3, AR229:3, AR231:3, AR294:3, AR238:3, AR168:3, AR270:3, AR289:3, AR293:3, AR237:3, AR255:3, AR171:3, AR262:3, AR217:3, AR230:3, AR287:3, AR261:3, AR224:3, AR268:2, AR300:2, AR216:2, AR239:2, AR207:2, AR286:2, AR053:2, AR190:2, AR285:2, AR191:2, AR290:2, AR232:2, AR179:2, AR225:2, AR234:2, AR295:2, AR196:2, AR226:2, AR055:2, AR316:2, AR235:2, AR258:2, AR061:2, AR227:2, AR175:2, AR089:2, AR174:2, AR297:2, AR200:2, AR311:2, AR247:2, AR222:2, AR104:2, AR189:2, AR283:2, AR188:2, AR271:2, AR203:2, AR246:2, AR240:2, AR096:1, AR256:1, AR185:1, AR272:1, AR060:1, AR277:1, AR296:1, AR033:1, AR260:1, AR199:1, AR172:1, AR193:1, AR243:1, AR223:1, AR201:1, AR299:1, AR211:1, AR308:1 S0052:1 and S0428:1
215	HNGOI12	1041375	225	AR161:7, AR162:7, AR163:7, AR176:6, AR055:5, AR181:5, AR180:5, AR269:5, AR266:5, AR178:5, AR267:5, AR268:5, AR229:5, AR060:4, AR104:4, AR271:4, AR222:4, AR261:4, AR225:4, AR224:4, AR228:4, AR165:4, AR089:4, AR177:4, AR257:4, AR233:4, AR053:4, AR300:4, AR164:4, AR182:4, AR270:4, AR033:4, AR166:4, AR264:4, AR183:3, AR168:3, AR289:3, AR235:3, AR237:3, AR236:3, AR290:3, AR255:3, AR061:3, AR296:3, AR231:3, AR277:3, AR250:3, AR239:3, AR240:3, AR175:3, AR226:3, AR293:3, AR230:3, AR221:3, AR170:3, AR287:3, AR174:3, AR185:3, AR179:3, AR216:3, AR291:3, AR316:3, AR288:3, AR297:3, AR294:3, AR169:3, AR282:3, AR227:2, AR191:2, AR096:2, AR283:2, AR309:2, AR214:2, AR247:2, AR234:2, AR262:2, AR263:2, AR232:2, AR196:2, AR299:2, AR286:2, AR275:2, AR171:2, AR203:2, AR285:2, AR173:2, AR295:2, AR189:2, AR204:2, AR274:2, AR190:2, AR312:2, AR172:2, AR246:2, AR200:2, AR217:2, AR308:2, AR211:2, AR258:2, AR188:2, AR201:2, AR260:2, AR313:2, AR272:2, AR039:2, AR243:1, AR218:1, AR219:1, AR210:1, AR199:1, AR213:1, AR205:1, AR256:1, AR252:1 L0749:4, L0439:3, H0100:2, L0770:2, L0776:2, H0556:1, H0638:1, H0441:1, T0010:1, H0687:1, L0055:1, L0769:1, L0809:1, S0428:1, H0522:1, H0694:1, L0758:1, L0589:1 and L0592:1
				AR225:30, AR223:24, AR221:18, AR224:17, AR215:14, AR168:12, AR214:9, AR222:9, AR216:9, AR171:8, AR217:8, AR266:8, AR172:8, AR176:7, AR269:7, AR182:7, AR288:7, AR180:7, AR245:7, AR289:6, AR161:6, AR162:6, AR204:6, AR255:6, AR197:6, AR270:6, AR183:6, AR297:6, AR163:6, AR178:6, AR268:6, AR181:6, AR282:6, AR236:5, AR231:5, AR039:5, AR293:5, AR207:5, AR179:5, AR294:5, AR201:5, AR295:5, AR198:5, AR169:5, AR240:5, AR286:5, AR261:5, AR229:5, AR165:5, AR205:5, AR170:4, AR285:4, AR233:4, AR309:4, AR290:4, AR257:4, AR177:4, AR055:4, AR175:4, AR246:4, AR300:4, AR287:4, AR256:4, AR173:4, AR243:4, AR271:4, AR267:4, AR235:4, AR264:4, AR164:4, AR263:4, AR247:4, AR313:4, AR166:4, AR277:4, AR262:4, AR060:4, AR238:4, AR260:4, AR191:4, AR291:4, AR316:4, AR258:4, AR239:4, AR053:4, AR296:4, AR228:4, AR174:4, AR250:4, AR199:4, AR096:3, AR192:3, AR230:3, AR237:3, AR196:3,

					AR193:3, AR234:3, AR283:3, AR104:3, AR203:3, AR190:3, AR272:3, AR200:3, AR253:3, AR189:3, AR061:3, AR185:3, AR311:3, AR275:3, AR226:3, AR299:3, AR089:3, AR227:3, AR188:3, AR312:3, AR232:2, AR219:2, AR274:2, AR033:2, AR195:2, AR212:2, AR213:2, AR211:2, AR218:1, AR242:1, AR210:1, AR308:1 S0428:1
	HNGO112	838184	450		
	HNGO112	839283	451		
216	HNGOM56	836064	226		AR039:15, AR313:14, AR089:11, AR161:10, AR162:10, AR165:10, AR096:10, AR166:9, AR163:9, AR164:9, AR299:9, AR242:8, AR300:8, AR277:8, AR185:7, AR192:7, AR060:7, AR178:7, AR316:7, AR282:7, AR180:6, AR055:6, AR104:6, AR181:6, AR176:6, AR309:6, AR173:6, AR053:6, AR196:6, AR179:6, AR183:6, AR197:6, AR175:6, AR229:6, AR240:6, AR182:6, AR174:5, AR247:5, AR264:5, AR198:5, AR245:5, AR177:5, AR233:5, AR262:5, AR275:5, AR204:5, AR269:5, AR261:5, AR243:5, AR218:5, AR226:5, AR271:4, AR239:4, AR171:4, AR238:4, AR228:4, AR236:4, AR246:4, AR193:4, AR237:4, AR257:4, AR212:4, AR283:4, AR234:4, AR293:4, AR217:4, AR272:4, AR221:4, AR312:4, AR268:4, AR270:4, AR258:4, AR263:4, AR219:4, AR267:4, AR266:4, AR308:4, AR170:4, AR199:4, AR231:4, AR201:4, AR200:4, AR191:4, AR195:3, AR230:3, AR252:3, AR291:3, AR203:3, AR253:3, AR274:3, AR188:3, AR205:3, AR189:3, AR296:3, AR061:3, AR294:3, AR297:3, AR227:3, AR235:3, AR215:3, AR311:3, AR232:3, AR289:3, AR288:3, AR255:3, AR213:3, AR287:3, AR295:3, AR286:2, AR033:2, AR250:2, AR285:2, AR216:2, AR222:2, AR260:2, AR290:2, AR214:2, AR256:2, AR169:2, AR168:2, AR224:2, AR190:2, AR210:2, AR211:1, AR172:1, AR223:1 S0428:2 and L0368:1
217	HNGOU56	843515	227		AR250:11, AR252:9, AR201:9, AR176:9, AR235:9, AR254:8, AR245:8, AR169:8, AR180:8, AR269:8, AR197:8, AR204:7, AR162:7, AR161:7, AR163:7, AR181:7, AR193:7, AR271:6, AR192:6, AR229:6, AR224:6, AR266:6, AR207:6, AR178:6, AR228:6, AR239:6, AR267:6, AR055:5, AR261:5, AR060:5, AR164:5, AR233:5, AR236:5, AR309:5, AR182:5, AR165:5, AR183:5, AR268:5, AR231:5, AR166:5, AR177:5, AR214:5, AR257:5, AR243:5, AR198:5, AR253:5, AR227:5, AR270:5, AR033:5, AR293:5, AR053:5, AR222:5, AR291:5, AR237:5, AR223:4, AR312:4, AR195:4, AR226:4, AR300:4, AR264:4, AR221:4, AR179:4, AR308:4, AR175:4, AR263:4, AR238:4, AR216:4, AR240:4, AR287:4, AR288:4, AR247:4, AR262:4, AR246:4, AR225:4, AR274:4, AR234:4, AR290:4, AR061:4, AR282:4, AR205:4, AR174:4, AR196:4, AR230:4, AR173:4, AR286:4, AR171:4, AR104:4, AR313:4, AR272:4, AR294:4, AR275:4, AR285:4, AR283:3, AR039:3, AR255:3, AR316:3, AR168:3, AR297:3, AR191:3, AR213:3, AR289:3, AR089:3, AR295:3, AR299:3, AR096:3, AR189:3, AR185:3, AR199:3, AR203:3, AR311:3, AR277:3, AR296:3, AR258:3, AR188:3, AR200:3, AR172:3, AR210:2, AR211:2, AR232:2, AR218:2, AR190:2, AR217:2, AR256:2, AR212:2, AR260:2, AR219:1, AR170:1 S0428:1
218	HNGOW62	892160	228		AR176:7, AR282:6, AR266:5, AR163:5, AR055:5, AR216:5, AR060:5, AR171:4, AR175:4, AR172:4, AR254:3, AR104:3, AR309:3, AR161:3, AR229:3, AR245:3, AR204:3, AR228:3, AR162:3, AR089:3, AR262:3, AR178:3, AR183:3, AR207:3, AR096:3, AR214:3, AR239:3, AR291:3, AR221:3, AR182:3, AR240:3, AR270:3, AR283:3, AR165:3, AR164:2, AR222:2, AR227:2, AR277:2, AR269:2, AR226:2, AR218:2, AR316:2, AR223:2, AR233:2, AR236:2, AR166:2, AR264:2, AR268:2, AR286:2, AR257:2, AR224:2, AR289:2, AR299:2, AR211:2, AR225:2, AR185:2, AR177:2, AR295:2, AR181:2, AR061:2, AR039:2, AR219:2, AR271:2, AR296:2, AR217:2, AR179:2, AR234:2, AR267:2, AR201:2, AR196:2, AR275:2, AR033:2, AR237:2, AR168:1, AR313:1, AR230:1, AR300:1, AR173:1, AR290:1, AR231:1, AR285:1, AR174:1, AR293:1, AR205:1, AR180:1, AR272:1, AR053:1 H0556:1 and S0428:1
219	HNHEU93	634851	229		AR313:24, AR173:20, AR162:16, AR161:16, AR163:16, AR165:15, AR247:14, AR164:14, AR166:14, AR175:13,

				AR258:13, AR242:13, AR293:12, AR257:11, AR270:10, AR262:10, AR178:10, AR299:10, AR300:10, AR240:9, AR269:9, AR176:9, AR233:9, AR254:9, AR229:9, AR264:9, AR180:9, AR196:9, AR179:9, AR312:9, AR199:9, AR177:9, AR182:9, AR181:9, AR275:8, AR296:8, AR183:8, AR294:8, AR238:8, AR191:8, AR197:8, AR193:8, AR297:8, AR274:7, AR234:7, AR253:7, AR174:7, AR226:7, AR053:7, AR260:7, AR267:7, AR285:7, AR268:7, AR237:7, AR286:6, AR089:6, AR189:6, AR290:6, AR252:6, AR291:6, AR287:6, AR096:6, AR204:6, AR231:6, AR192:6, AR255:6, AR228:6, AR250:6, AR188:6, AR288:6, AR185:6, AR033:6, AR263:6, AR261:6, AR198:6, AR282:6, AR309:6, AR272:6, AR203:5, AR212:5, AR239:5, AR245:5, AR207:5, AR295:5, AR289:5, AR266:5, AR195:5, AR308:5, AR190:5, AR218:5, AR200:5, AR277:5, AR201:4, AR256:4, AR219:4, AR230:4, AR227:4, AR316:4, AR246:4, AR213:4, AR271:4, AR236:4, AR215:4, AR243:4, AR232:3, AR061:3, AR205:3, AR039:3, AR224:3, AR060:3, AR172:3, AR225:2, AR210:2, AR211:2, AR104:2, AR171:2, AR221:2, AR223:2, AR311:2, AR283:2, AR216:1, AR055:1 S0053:1
220	HNHFM14	664507	230	AR270:26, AR273:17, AR052:17, AR186:12, AR290:12, AR309:11, AR269:10, AR268:9, AR313:8, AR175:7, AR267:7, AR184:6, AR312:6, AR183:5, AR213:5, AR298:5, AR219:5, AR274:4, AR218:4, AR293:4, AR249:4, AR194:4, AR089:4, AR185:4, AR162:3, AR161:3, AR265:3, AR163:3, AR198:3, AR060:3, AR261:3, AR104:3, AR096:3, AR204:3, AR192:3, AR207:3, AR251:3, AR282:3, AR172:3, AR217:3, AR236:3, AR264:3, AR181:3, AR221:3, AR225:2, AR195:2, AR240:2, AR248:2, AR246:2, AR231:2, AR299:2, AR171:2, AR271:2, AR239:2, AR176:2, AR201:2, AR228:2, AR277:2, AR295:2, AR316:2, AR178:2, AR179:2, AR061:2, AR216:2, AR224:2, AR291:2, AR193:2, AR033:2, AR287:2, AR234:2, AR300:1, AR310:1, AR233:1, AR296:1, AR286:1, AR238:1, AR237:1, AR174:1, AR262:1, AR285:1, AR191:1, AR294:1, AR227:1, AR255:1, AR257:1, AR297:1, AR247:1, AR232:1, AR289:1 L0747:5, H0619:4, S0406:4, L0439:4, L0777:4, H0617:2, L0770:2, L0769:2, L0803:2, L0438:2, L3827:2, S0328:2, L0749:2, L0779:2, H0265:1, L3643:1, H0484:1, S0418:1, H0747:1, L3388:1, H0618:1, S0010:1, H0052:1, H0570:1, H0012:1, H0014:1, H0510:1, H0288:1, H0622:1, S0366:1, H0040:1, H0623:1, L0351:1, T0042:1, L0761:1, L0764:1, L0767:1, L0805:1, L0655:1, L0809:1, S0053:1, L3828:1, H0520:1, H0435:1, H0659:1, S3014:1, L0743:1, L0756:1, L0758:1 and H0136:1
221	HNHFO29	463568	231	AR089:9, AR313:8, AR039:8, AR060:7, AR268:6, AR299:6, AR096:6, AR310:5, AR055:5, AR249:5, AR291:5, AR185:5, AR186:4, AR104:4, AR277:4, AR052:4, AR309:4, AR316:4, AR270:4, AR282:4, AR061:4, AR162:4, AR161:4, AR165:4, AR164:3, AR269:3, AR235:3, AR300:3, AR289:3, AR166:3, AR170:3, AR183:3, AR272:3, AR271:3, AR182:3, AR283:3, AR184:3, AR053:3, AR218:3, AR312:3, AR176:3, AR298:3, AR251:3, AR248:3, AR266:3, AR169:3, AR163:3, AR240:3, AR247:3, AR180:3, AR172:3, AR173:3, AR284:2, AR296:2, AR253:2, AR292:2, AR219:2, AR263:2, AR245:2, AR233:2, AR229:2, AR294:2, AR286:2, AR308:2, AR228:2, AR033:2, AR293:2, AR201:2, AR225:2, AR174:2, AR234:2, AR237:2, AR181:2, AR231:2, AR238:2, AR262:2, AR175:2, AR197:2, AR223:2, AR206:2, AR177:2, AR285:2, AR188:2, AR171:1, AR295:1, AR214:1, AR196:1, AR243:1, AR226:1, AR297:1, AR204:1, AR227:1, AR274:1, AR230:1, AR179:1, AR239:1, AR210:1, AR190:1, AR264:1, AR222:1, AR290:1, AR257:1, AR241:1, AR191:1 T0042:1 and S0053:1
222	HNHNB29	895462	232	AR313:23, AR254:22, AR162:20, AR161:20, AR163:19, AR173:17, AR165:16, AR164:16, AR166:15, AR229:14, AR176:13, AR178:13, AR247:13, AR268:13, AR271:13, AR269:12, AR183:12, AR193:12, AR180:12, AR175:11, AR096:11, AR270:11, AR257:11, AR214:11, AR293:11, AR170:11, AR181:10, AR267:10, AR179:10, AR182:10, AR300:10, AR253:10, AR192:10, AR197:10, AR174:9, AR258:9, AR226:9, AR242:9, AR275:9, AR262:9, AR240:9,

223	HNHOD46	843488	233	AR296:9, AR274:9, AR238:9, AR266:9, AR169:8, AR312:8, AR233:8, AR250:8, AR264:8, AR199:8, AR196:8, AR246:8, AR309:8, AR245:8, AR237:8, AR189:8, AR272:8, AR291:8, AR195:8, AR204:7, AR172:7, AR089:7, AR243:7, AR191:7, AR290:7, AR177:7, AR297:7, AR286:7, AR234:7, AR198:7, AR255:6, AR277:6, AR235:6, AR239:6, AR228:6, AR294:6, AR190:6, AR201:6, AR033:6, AR203:6, AR215:6, AR308:6, AR231:6, AR289:6, AR188:5, AR236:5, AR185:5, AR039:5, AR285:5, AR261:5, AR230:5, AR282:5, AR168:5, AR299:5, AR225:5, AR288:5, AR205:5, AR287:5, AR295:5, AR053:5, AR060:5, AR263:5, AR227:4, AR213:4, AR200:4, AR316:4, AR224:4, AR311:4, AR212:4, AR260:4, AR061:4, AR171:4, AR219:4, AR211:3, AR256:3, AR232:3, AR252:3, AR218:3, AR222:3, AR207:3, AR055:3, AR221:3, AR216:3, AR104:2, AR223:2, AR217:1, AR210:1 S0216:1
223	HNHOD46	843488	233	AR039:32, AR313:28, AR096:21, AR089:19, AR299:16, AR185:11, AR277:11, AR316:11, AR300:10, AR104:10, AR060:9, AR219:8, AR218:8, AR240:7, AR055:7, AR161:6, AR162:6, AR173:6, AR282:6, AR163:6, AR165:6, AR164:6, AR166:6, AR183:5, AR247:5, AR270:5, AR229:5, AR176:4, AR175:4, AR181:4, AR269:4, AR257:4, AR179:4, AR238:4, AR283:4, AR178:4, AR196:4, AR293:4, AR309:4, AR262:4, AR268:4, AR250:4, AR182:4, AR174:3, AR236:3, AR199:3, AR177:3, AR213:3, AR230:3, AR234:3, AR171:3, AR291:3, AR296:3, AR233:3, AR258:3, AR255:3, AR286:3, AR180:3, AR191:3, AR189:3, AR237:3, AR297:3, AR312:3, AR261:3, AR294:3, AR295:3, AR168:3, AR263:3, AR226:3, AR274:3, AR287:2, AR225:2, AR188:2, AR231:2, AR308:2, AR203:2, AR267:2, AR239:2, AR285:2, AR289:2, AR033:2, AR169:2, AR275:2, AR227:2, AR266:2, AR264:2, AR290:2, AR224:2, AR200:2, AR190:2, AR243:2, AR311:2, AR228:2, AR212:2, AR222:2, AR216:2, AR272:1, AR172:1, AR211:1, AR260:1, AR235:1, AR061:1 S0216:1
224	HNHOG73	835026	234	AR309:14, AR263:13, AR252:12, AR207:12, AR214:11, AR264:11, AR253:11, AR223:11, AR224:11, AR195:10, AR225:10, AR171:10, AR161:10, AR192:9, AR222:9, AR308:9, AR163:9, AR162:9, AR170:9, AR169:9, AR311:9, AR168:9, AR235:9, AR245:9, AR197:8, AR176:8, AR254:8, AR165:8, AR164:8, AR215:8, AR216:8, AR172:8, AR261:8, AR282:8, AR166:8, AR250:7, AR053:7, AR312:7, AR288:7, AR246:7, AR291:7, AR217:7, AR212:6, AR221:6, AR213:6, AR193:6, AR198:6, AR295:6, AR275:6, AR181:6, AR266:6, AR180:6, AR236:6, AR178:6, AR177:6, AR285:6, AR196:6, AR268:6, AR060:6, AR289:6, AR297:6, AR257:6, AR175:6, AR204:5, AR255:5, AR183:5, AR271:5, AR272:5, AR055:5, AR240:5, AR033:5, AR237:5, AR270:5, AR182:5, AR293:5, AR247:5, AR300:5, AR201:5, AR258:5, AR174:5, AR243:5, AR287:5, AR296:5, AR286:5, AR191:5, AR189:5, AR231:5, AR228:5, AR269:5, AR205:5, AR173:5, AR233:5, AR210:5, AR227:5, AR229:5, AR199:5, AR267:4, AR185:4, AR277:4, AR294:4, AR061:4, AR239:4, AR316:4, AR089:4, AR274:4, AR218:4, AR262:4, AR200:4, AR232:4, AR234:4, AR290:4, AR211:4, AR238:4, AR190:4, AR256:4, AR179:4, AR226:4, AR260:4, AR039:4, AR188:4, AR299:4, AR203:4, AR230:4, AR283:3, AR096:3, AR104:3, AR242:3, AR313:3, AR219:3 L0365:1 and S0216:1.
225	HNTBI26	1310821	235	AR195:19, AR214:19, AR194:18, AR225:16, AR223:16, AR164:16, AR165:16, AR281:16, AR166:15, AR224:15, AR172:15, AR216:15, AR215:15, AR202:15, AR161:14, AR162:14, AR222:14, AR221:14, AR199:14, AR217:14, AR280:14, AR244:14, AR169:14, AR163:14, AR206:14, AR171:13, AR168:13, AR315:13, AR207:12, AR235:12, AR211:12, AR170:12, AR246:12, AR268:11, AR192:11, AR265:11, AR197:11, AR263:11, AR314:11, AR196:11, AR311:10, AR243:10, AR241:10, AR205:10, AR245:10, AR297:9, AR264:10, AR270:8, AR310:8, AR290:8, AR053:8, AR272:8, AR275:8, AR191:9, AR308:9, AR213:8, AR269:8, AR273:8, AR309:8, AR270:8, AR310:8, AR290:8, AR053:8, AR272:8, AR275:8, AR200:8, AR252:8, AR189:8, AR173:8, AR261:8, AR289:8, AR180:8, AR089:8, AR210:7, AR312:7, AR188:7, AR251:7,

				AR234:7, AR183:7, AR284:7, AR271:7, AR236:7, AR190:7, AR238:7, AR295:7, AR181:7, AR253:7, AR291:7, AR282:7, AR248:7, AR247:7, AR266:7, AR285:7, AR283:7, AR193:7, AR177:7, AR182:7, AR033:7, AR250:7, AR174:7, AR204:7, AR176:6, AR240:6, AR274:6, AR052:6, AR060:6, AR286:6, AR239:6, AR175:6, AR249:6, AR299:6, AR277:6, AR257:6, AR218:6, AR316:6, AR061:5, AR298:5, AR096:5, AR287:5, AR178:5, AR300:5, AR255:5, AR231:5, AR185:5, AR296:5, AR203:5, AR313:5, AR292:5, AR201:5, AR232:5, AR039:5, AR186:5, AR227:5, AR055:5, AR219:5, AR258:5, AR267:5, AR294:5, AR262:5, AR293:4, AR229:4, AR179:4, AR260:4, AR226:4, AR237:4, AR228:4, AR233:4, AR104:4, AR184:3, AR230:3, AR256:3, AR259:2, H0124:23, L0774:4, L0740:3, S0212:2, S0360:2, L3388:2, L0659:2, L0757:2, S0436:2, H0170:1, H0713:1, H0580:1, S0045:1, H0393:1, S0220:1, H0333:1, H0643:1, H0574:1, H0013:1, S0280:1, H0581:1, H0544:1, H0150:1, H0059:1, L0369:1, L0640:1, L0521:1, L0363:1, L0775:1, L0654:1, L0776:1, L0559:1, L0384:1, L0790:1, L0664:1, L2258:1, L2260:1, H0519:1, S0027:1, S0206:1, L0747:1, L0749:1, L0780:1, L0731:1, L0759:1 and H0542:1.
	HNTBI26	796807	452	
	HNTBI26	590738	453	
226	HNTBL27	545534	236	AR218:6, AR240:5, AR282:5, AR277:5, AR316:5, AR096:4, AR219:4, AR185:4, AR104:4, AR300:3, AR299:3, AR060:3, AR283:3, AR055:3, AR313:3, AR089:3, AR039:3, L0794:3, L0663:2, S0360:1, H0042:1, H0253:1, H0150:1, H0633:1, S0142:1, H0538:1, L0804:1, L0790:1, L0791:1, L0666:1, L0664:1, L0665:1, H0519:1, L0747:1, L0749:1, L0779:1, L0777:1, L0755:1 and L0731:1.
227	HNTCE26	1160395	237	AR291:7, AR164:5, AR295:5, AR296:5, AR285:5, AR166:5, AR165:5, AR170:4, AR297:4, AR287:4, AR162:4, AR286:4, AR161:4, AR235:4, AR311:4, AR257:4, AR288:4, AR223:4, AR225:4, AR053:4, AR089:4, AR060:4, AR308:4, AR261:4, AR169:4, AR262:4, AR176:4, AR096:4, AR264:4, AR266:3, AR283:3, AR199:3, AR246:3, AR178:3, AR289:3, AR214:3, AR267:3, AR205:3, AR269:3, AR312:3, AR245:3, AR263:3, AR195:3, AR196:3, AR175:3, AR255:3, AR293:3, AR236:3, AR270:3, AR277:3, AR173:3, AR104:3, AR272:3, AR188:3, AR183:3, AR294:3, AR268:3, AR224:3, AR258:3, AR242:3, AR182:3, AR238:3, AR189:3, AR193:3, AR316:3, AR191:3, AR180:3, AR174:3, AR163:2, AR197:2, AR253:2, AR210:2, AR290:2, AR200:2, AR190:2, AR203:2, AR217:2, AR247:2, AR181:2, AR299:2, AR185:2, AR260:2, AR211:2, AR282:2, AR313:2, AR309:2, AR254:2, AR256:2, AR033:2, AR201:2, AR179:2, AR213:2, AR227:2, AR171:2, AR237:2, AR168:2, AR222:2, AR300:2, AR240:2, AR243:2, AR234:2, AR274:2, AR219:2, AR204:2, AR239:2, AR218:2, AR233:1, AR231:1, AR177:1, AR216:1, AR172:1, AR212:1, AR055:1, AR061:1, AR230:1, AR232:1, AR226:1, H0580:5, L0754:5, H0615:4, L0805:4, L0748:4, L0731:4, H0031:3, S0440:3, L0659:3, L0758:3, L2346:2, S0278:2, L0804:2, L0809:2, H0547:2, H0352:2, H0657:1, H0656:1, S0418:1, S0442:1, S0444:1, L3649:1, H0741:1, H0645:1, H0574:1, H0486:1, L3521:1, H0013:1, S0010:1, H0327:1, H0046:1, L0041:1, H0510:1, S0214:1, H0328:1, H0030:1, H0553:1, H0644:1, H0032:1, S0344:1, S0002:1, L0369:1, L0667:1, L0364:1, L0794:1, L0803:1, L0775:1, L0776:1, L0789:1, L0666:1, L0663:1, L2653:1, L0438:1, H0519:1, H0670:1, H0521:1, L0744:1, L0439:1, L0747:1, L0779:1, L0591:1 and L3374:1.
	HNTCE26	853373	454	
228	HNTNI01	1352285	238	AR207:15, AR263:12, AR169:11, AR311:11, AR212:10, AR198:10, AR264:10, AR235:10, AR252:9, AR168:9, AR223:9, AR224:9, AR089:9, AR053:8, AR215:8, AR172:8, AR161:8, AR162:8, AR214:8, AR222:8, AR163:8, AR309:8, AR165:8, AR205:8, AR192:8, AR164:8, AR170:8, AR221:7, AR166:7, AR216:7, AR242:7, AR282:7, AR308:7, AR195:7, AR171:7,

				AR039:7, AR213:7, AR261:7, AR312:7, AR245:6, AR254:6, AR295:6, AR225:6, AR033:6, AR197:6, AR288:6, AR217:6, AR060:5, AR196:5, AR274:5, AR096:5, AR246:5, AR271:5, AR291:5, AR193:5, AR316:5, AR286:5, AR277:5, AR283:5, AR299:5, AR178:5, AR272:5, AR275:5, AR236:4, AR243:4, AR285:4, AR240:4, AR104:4, AR313:4, AR185:4, AR176:4, AR296:4, AR297:4, AR204:4, AR287:4, AR210:4, AR055:4, AR177:4, AR253:4, AR183:4, AR181:4, AR290:4, AR247:4, AR269:4, AR258:4, AR289:4, AR257:4, AR201:4, AR174:3, AR238:3, AR200:3, AR262:3, AR300:3, AR175:3, AR199:3, AR294:3, AR255:3, AR188:3, AR268:3, AR180:3, AR293:3, AR211:3, AR173:3, AR266:3, AR250:3, AR270:3, AR061:3, AR189:3, AR179:3, AR267:3, AR239:3, AR182:3, AR190:3, AR227:2, AR231:2, AR234:2, AR256:2, AR219:2, AR237:2, AR203:2, AR191:2, AR229:2, AR226:2, AR230:2, AR232:2, AR260:2, AR233:2, AR218:2, AR228:1, L0747:5, H0545:3, H0520:3, L0439:3, L0803:2, L0790:2, H0547:2, L0740:2, L0751:2, L0779:2, L0759:2, L0593:2, H0170:1, S0005:1, H0485:1, H0013:1, L0564:1, L0770:1, L0794:1, L0809:1, H0519:1, S0378:1, L0756:1, L0777:1 and H0667:1.
	HNTN101	699848	455	
229	HODDF13	684307	239	AR312:21, AR308:20, AR205:19, AR253:19, AR250:19, AR309:19, AR264:18, AR311:16, AR212:16, AR213:15, AR218:14, AR096:14, AR272:14, AR313:14, AR263:14, AR161:13, AR162:13, AR163:13, AR165:13, AR164:12, AR175:12, AR053:12, AR219:12, AR089:12, AR166:12, AR246:12, AR178:11, AR270:11, AR254:11, AR271:11, AR173:11, AR274:10, AR039:10, AR192:10, AR174:10, AR176:10, AR282:10, AR216:10, AR189:10, AR193:10, AR183:9, AR221:9, AR268:9, AR191:9, AR252:9, AR210:9, AR245:9, AR172:9, AR269:9, AR290:9, AR197:9, AR180:9, AR242:8, AR217:8, AR224:8, AR182:8, AR316:8, AR215:8, AR293:8, AR181:8, AR288:8, AR179:8, AR267:8, AR060:8, AR190:8, AR171:7, AR247:7, AR201:7, AR297:7, AR195:7, AR240:7, AR185:7, AR222:7, AR177:7, AR199:6, AR170:6, AR295:6, AR291:6, AR188:6, AR198:6, AR211:6, AR243:6, AR266:6, AR275:6, AR104:6, AR299:6, AR204:6, AR229:5, AR300:5, AR237:5, AR294:5, AR169:5, AR285:5, AR225:5, AR033:5, AR296:5, AR286:5, AR287:5, AR261:5, AR238:5, AR168:5, AR289:4, AR231:4, AR230:4, AR223:4, AR277:4, AR214:4, AR226:4, AR228:4, AR203:4, AR239:4, AR196:4, AR255:4, AR234:4, AR235:4, AR233:4, AR262:4, AR260:3, AR236:3, AR257:3, AR061:3, AR256:3, AR232:3, AR200:3, AR227:3, AR258:3, AR283:3, AR055:2, AR207:2, H0328:1
230	HODDN92	422913	240	AR161:4, AR162:4, AR163:4, AR192:4, AR165:4, AR308:4, AR264:4, AR176:4, AR311:3, AR164:3, AR309:3, AR166:3, AR312:3, AR213:3, AR214:3, AR193:3, AR225:3, AR313:3, AR096:3, AR089:3, AR270:3, AR172:3, AR235:3, AR299:2, AR201:2, AR291:2, AR104:2, AR269:2, AR195:2, AR294:2, AR169:2, AR215:2, AR290:2, AR224:2, AR173:2, AR060:2, AR288:2, AR282:2, AR285:2, AR271:2, AR185:2, AR175:2, AR039:2, AR275:2, AR277:2, AR211:2, AR268:2, AR316:2, AR190:2, AR267:2, AR274:2, AR272:2, AR171:2, AR287:2, AR221:2, AR237:2, AR189:1, AR289:1, AR217:1, AR300:1, AR247:1, AR255:1, AR262:1, AR257:1, AR183:1, AR286:1, AR236:1, AR256:1, AR293:1, AR254:1, AR295:1, AR178:1, AR297:1, AR238:1, AR296:1, AR168:1, L0758:14, H0457:10, H0556:5, S0114:5, L0748:5, L0756:5, H0657:4, H0620:4, H0328:4, H0591:4, L0754:4, L0779:4, H0589:3, L0532:3, H0445:3, H0341:2, H0580:2, H0208:2, H0619:2, H0486:2, H0013:2, L0471:2, H0024:2, H0673:2, H0674:2, H0038:2, H0264:2, H0561:2, L0803:2, L0606:2, L0519:2, S0216:2, L0749:2, L0777:2, L0589:2, H0171:1, S0218:1, S0212:1, H0255:1, H0305:1, S0358:1, S0444:1, H0329:1, L0717:1, S0222:1, H0370:1, H0438:1, H0586:1, H0574:1, H0632:1, H0581:1, H0310:1, H0544:1, H0009:1, H0123:1, H0350:1, S0003:1, H0252:1, H0615:1, H0644:1, H0598:1, S0036:1, H0090:1, H0063:1, S0038:1, H0625:1, H0538:1, L0373:1, L0794:1, L0650:1, L0774:1, L0805:1, L0559:1, L0558:1, L0659:1, L0526:1, H0144:1, H0520:1, H0696:1, S0206:1,

231	HODFN71	1194866	241	S0434:1, S0011:1, S0026:1, H0543:1 and H0423:1. AR282:12, AR176:8, AR162:6, AR163:5, AR170:5, AR161:5, AR266:5, AR182:5, AR181:5, AR055:5, AR228:4, AR060:4, AR204:4, AR269:4, AR239:4, AR264:4, AR233:4, AR268:4, AR229:4, AR236:4, AR177:4, AR309:4, AR267:4, AR257:3, AR197:3, AR225:3, AR224:3, AR253:3, AR222:3, AR201:3, AR165:3, AR242:3, AR289:3, AR193:3, AR183:3, AR270:3, AR274:3, AR237:3, AR179:3, AR217:3, AR196:3, AR272:3, AR166:3, AR207:3, AR164:3, AR235:3, AR185:3, AR300:3, AR180:3, AR293:3, AR290:3, AR286:3, AR311:3, AR255:3, AR238:3, AR171:3, AR299:3, AR089:3, AR247:3, AR188:3, AR261:3, AR287:3, AR234:3, AR291:3, AR200:3, AR175:2, AR061:2, AR294:2, AR295:2, AR203:2, AR283:2, AR316:2, AR262:2, AR214:2, AR191:2, AR190:2, AR271:2, AR297:2, AR178:2, AR231:2, AR227:2, AR104:2, AR288:2, AR277:2, AR285:2, AR243:2, AR226:2, AR039:2, AR096:2, AR296:2, AR232:2, AR312:2, AR173:2, AR260:2, AR053:2, AR168:2, AR313:2, AR230:2, AR210:1, AR258:1, AR213:1, AR174:1, AR215:1, AR218:1, AR033:1, AR240:1, AR256:1, AR308:1, AR189:1, AR252:1, AR211:1 H0615:2 and H0624:1.
232	HODFN71 HODGE68	834999 834907	456 242	AR161:8, AR162:8, AR163:8, AR313:7, AR039:6, AR173:6, AR180:6, AR176:6, AR182:6, AR242:6, AR060:6, AR055:6, AR270:5, AR181:5, AR236:5, AR293:5, AR309:5, AR240:5, AR096:5, AR175:5, AR165:5, AR300:5, AR282:5, AR089:5, AR053:5, AR204:5, AR185:5, AR275:5, AR233:5, AR164:5, AR269:5, AR261:5, AR177:5, AR257:5, AR178:5, AR229:5, AR196:5, AR166:5, AR264:4, AR179:4, AR201:4, AR228:4, AR262:4, AR299:4, AR294:4, AR231:4, AR274:4, AR247:4, AR183:4, AR174:4, AR191:4, AR255:4, AR266:4, AR198:4, AR316:4, AR271:4, AR238:4, AR287:4, AR218:4, AR239:4, AR277:4, AR230:4, AR288:4, AR267:4, AR212:4, AR237:4, AR268:4, AR258:4, AR199:4, AR297:4, AR234:4, AR104:3, AR197:3, AR263:3, AR295:3, AR311:3, AR168:3, AR226:3, AR219:3, AR285:3, AR296:3, AR312:3, AR250:3, AR188:3, AR290:3, AR291:3, AR203:3, AR283:3, AR272:3, AR217:3, AR286:3, AR190:3, AR289:3, AR214:3, AR225:3, AR260:3, AR207:3, AR033:3, AR245:3, AR195:3, AR061:3, AR223:3, AR216:2, AR189:2, AR200:2, AR171:2, AR227:2, AR254:2, AR232:2, AR243:2, AR193:2, AR211:2, AR210:2, AR256:1, AR169:1, AR246:1, AR308:1, AR252:1, AR215:1, AR224:1 H0615:1
233	HOEDB32	634994	243	L0807:6, L0747:5, S0126:4, L0779:4, L0771:3, H0696:3, L0740:3, L0750:3, S0358:2, S0222:2, L0471:2, L0772:2, L0662:2, L0774:2, L0809:2, H0690:2, S0378:2, L0439:2, L0755:2, L0757:2, L0362:2, T0049:1, S0180:1, S0212:1, H0662:1, S0442:1, S0360:1, H0722:1, H0208:1, H0486:1, T0039:1, T0040:1, L2637:1, L0021:1, H0327:1, H0546:1, H0545:1, H0123:1, H0012:1, H0620:1, H0024:1, H0687:1, H0615:1, H0413:1, T0042:1, L0065:1, S0150:1, L0637:1, L0646:1, L0363:1, L0649:1, L0775:1, L0806:1, L0652:1, L0661:1, L0657:1, L0647:1, L0793:1, L0663:1, L0664:1, L0708:1, L2651:1, H0144:1, S0374:1, S0148:1, H0547:1, H0519:1, H0539:1, S0152:1, S0406:1, S0028:1, L0745:1, L0756:1, L0780:1, L0759:1, S0434:1, S0436:1, L0361:1, S0194:1 and H0352:1.
234	HOFMQ33	1184465	244	AR205:90, AR212:77, AR245:75, AR274:68, AR272:67, AR216:65, AR246:62, AR252:60, AR308:59, AR213:59, AR214:55, AR312:54, AR215:54, AR197:50, AR309:50, AR254:50, AR053:50, AR217:49, AR171:49, AR221:49, AR195:48, AR311:45, AR225:45, AR223:44, AR264:44, AR170:44, AR189:44, AR199:43, AR210:43, AR263:43, AR168:43, AR247:43, AR243:41, AR224:41, AR172:41, AR253:40, AR222:40, AR169:39, AR164:37, AR250:37, AR174:37, AR271:36, AR166:36, AR198:36, AR165:36, AR201:34, AR188:34, AR162:34, AR190:32, AR163:32, AR242:32, AR161:32, AR204:29, AR193:28, AR173:27, AR192:26, AR313:26, AR236:25, AR291:24, AR177:24,

				AR275:24, AR290:24, AR256:23, AR039:22, AR262:22, AR096:22, AR191:22, AR240:22, AR219:22, AR200:22, AR185:22, AR179:21, AR218:21, AR089:21, AR211:20, AR300:20, AR288:20, AR175:20, AR297:20, AR289:20, AR295:19, AR255:19, AR261:19, AR299:19, AR203:19, AR207:19, AR293:18, AR196:18, AR268:17, AR237:17, AR296:17, AR258:17, AR282:16, AR316:16, AR285:16, AR231:15, AR269:15, AR257:15, AR178:14, AR234:14, AR287:14, AR181:14, AR230:14, AR033:14, AR260:14, AR267:14, AR061:14, AR233:14, AR239:14, AR183:13, AR266:13, AR270:13, AR229:13, AR286:13, AR277:12, AR180:12, AR060:12, AR238:12, AR226:12, AR232:12, AR176:12, AR227:11, AR294:11, AR228:10, AR283:9, AR235:9, AR182:8, AR104:7, AR055:5 H0415:1
	HOFMQ33	919896	457	
	HOFMQ33	906694	458	
	HOFMQ33	902639	459	
	HOFMQ33	702186	460	
235	HOFMT75	911180	245	AR192:4, AR225:3, AR217:2, AR235:2, AR172:2, AR183:2, AR254:2, AR168:2, AR266:2, AR170:1, AR309:1, AR193:1, AR180:1, AR270:1, AR175:1, AR282:1, AR165:1, AR224:1, AR277:1, AR164:1, AR300:1, AR264:1, AR039:1, AR216:1, AR291:1, AR240:1 H0415:3, S0002:2, S0212:1, H0255:1, S0358:1, H0318:1, H0045:1, H0264:1, S0144:1, H0555:1 and L0741:1
	HOFMT75	905365	461	
	HOFMT75	892308	462	
	HOFMT75	892291	463	
236	HOFNY91	847425	246	AR215:17, AR221:11, AR225:11, AR291:10, AR217:10, AR165:9, AR216:9, AR189:8, AR231:8, AR166:8, AR169:7, AR296:7, AR285:7, AR250:7, AR223:7, AR182:7, AR191:6, AR210:6, AR234:6, AR288:6, AR264:6, AR168:6, AR214:6, AR171:6, AR275:6, AR257:6, AR190:6, AR161:6, AR089:5, AR174:5, AR238:5, AR227:5, AR175:5, AR180:5, AR290:5, AR222:5, AR200:5, AR211:5, AR228:4, AR195:4, AR224:4, AR237:4, AR188:4, AR258:4, AR170:4, AR272:4, AR172:3, AR247:3, AR179:3, AR055:3, AR282:3, AR316:3, AR277:3, AR240:3, AR197:3, AR289:3, AR262:3, AR239:3, AR219:3, AR060:3, AR096:3, AR286:3, AR061:3, AR300:2, AR313:2, AR233:2, AR269:2, AR033:2, AR185:2, AR308:2, AR173:2, AR229:2, AR287:2, AR299:2, AR295:2, AR236:2, AR260:2, AR255:1, AR226:1, AR293:1, AR164:1, AR212:1, AR297:1, AR104:1, AR232:1, AR274:1, AR162:1, AR270:1, AR218:1, AR177:1, AR312:1, AR178:1, AR266:1, AR196:1 L0803:8, H0341:6, L0771:6, L0766:6, H0521:6, L0731:6, S0354:5, L0770:5, H0519:5, L0439:5, L0754:5, H0009:4, S0422:4, L0800:4, L0521:4, L0662:4, L0805:4, L0438:4, S0028:4, L0758:4, S0436:4, L0485:4, L0601:4, H0657:3, H0638:3, S0418:3, H0733:3, S0007:3, S0222:3, L3655:3, S0214:3, H0673:3, L0794:3, L0776:3, L0809:3, L3391:3, H0144:3, H0670:3, S0406:3, L0756:3, H0667:3, S0420:2, S0358:2, S0360:2, H0729:2, S0476:2, H0645:2, S0300:2, L2543:2, H0156:2, S0010:2, H0178:2, H0375:2, S6028:2, H0266:2, S0003:2, H0428:2, H0169:2, S0036:2, H0634:2, H0529:2, L0369:2, L0640:2, L0637:2, L0761:2, L0646:2, L0649:2, L0774:2, L0775:2, L0807:2, L0659:2, L0783:2, L5622:2, L0666:2, L0665:2, L2653:2, L2264:2, H0725:2, L3827:2, H0547:2, H0435:2, H0659:2, S0380:2, S3014:2, S0206:2, L0752:2, L0759:2, S0434:2, L0596:2, H0668:2, H0170:1, H0556:1, S0342:1, H0713:1, H0717:1, H0716:1, H0294:1, L2877:1, T0049:1, S0218:1, L2910:1, L2915:1, L2991:1, S0282:1, S0400:1, L2289:1, H0241:1, H0402:1, L0534:1, L0539:1, S0376:1,

237	HOF0C73	931871	247	S0444:1, S0410:1, H0728:1, H0734:1, H0229:1, S0045:1, H0749:1, S0026:1, H0406:1, S0220:1, H0441:1, H0415:1, H0438:1, H0362:1, H0333:1, H0574:1, H0486:1, L1819:1, T0060:1, H0013:1, H0427:1, H0599:1, H0575:1, H0318:1, S0474:1, H0581:1, H0374:1, H0085:1, T0110:1, H0150:1, H0563:1, S0388:1, S0051:1, H0687:1, H0039:1, H0030:1, H0553:1, H0644:1, H0628:1, H0166:1, L0455:1, H0708:1, S0366:1, H0090:1, H0591:1, H0038:1, H0551:1, H0380:1, H0623:1, S0386:1, T0042:1, H0494:1, H0561:1, S0370:1, H0509:1, H0130:1, H0641:1, L0598:1, L0769:1, L0638:1, L0796:1, L0667:1, L0630:1, L0373:1, L0641:1, L0773:1, L5569:1, L5574:1, L0381:1, L0806:1, L0661:1, L0527:1, L0518:1, L5623:1, L0789:1, L0790:1, L0793:1, L0710:1, L2262:1, L2380:1, L2412:1, S0374:1, H0520:1, S0126:1, H0648:1, H0522:1, H0555:1, S0392:1, S0112:1, L0742:1, L0749:1, L0777:1, L0753:1, L0755:1, L0757:1, L0366:1, S0026:1, S0276:1, S0196:1, H0542:1, H0543:1, L3357:1 and L3372:1.
				AR294:16, AR169:6, AR245:6, AR192:6, AR170:6, AR195:6, AR263:5, AR039:5, AR164:4, AR165:4, AR215:4, AR053:4, AR266:4, AR172:4, AR161:4, AR212:4, AR089:4, AR222:4, AR223:4, AR213:4, AR274:4, AR261:3, AR254:3, AR272:3, AR221:3, AR264:3, AR171:3, AR205:3, AR225:3, AR168:3, AR193:3, AR060:3, AR217:3, AR277:3, AR096:3, AR224:3, AR282:3, AR175:3, AR308:3, AR312:3, AR214:3, AR196:3, AR288:3, AR235:2, AR180:2, AR197:2, AR311:2, AR283:2, AR299:2, AR240:2, AR316:2, AR295:2, AR216:2, AR297:2, AR270:2, AR236:2, AR291:2, AR104:2, AR055:2, AR188:2, AR238:2, AR201:2, AR300:2, AR246:2, AR191:2, AR293:2, AR243:2, AR309:2, AR176:2, AR247:2, AR289:2, AR257:2, AR174:2, AR285:2, AR173:2, AR185:2, AR200:2, AR178:2, AR190:2, AR267:2, AR210:2, AR177:2, AR268:2, AR290:2, AR233:2, AR275:2, AR203:2, AR189:2, AR181:1, AR286:1, AR287:1, AR033:1, AR313:1, AR296:1, AR199:1, AR281:1, AR227:1, AR231:1, AR262:1, AR237:1, AR252:1, AR218:1, AR242:1, AR207:1, AR234:1, AR226:1, AR258:1, L0740:8, L0748:7, L0749:7, L0752:4, L0588:4, L0750:3, L0757:3, L0759:3, S0436:3, S0358:2, H0415:2, H0090:2, L0774:2, L0805:2, L0776:2, L0783:2, L0809:2, L0751:2, L0747:2, S0040:1, S0420:1, S0442:1, S0376:1, S0360:1, S0408:1, H0580:1, H0550:1, L0586:1, H0036:1, S0346:1, H0581:1, T0110:1, H0597:1, H0530:1, H0123:1, H0083:1, H0354:1, H0510:1, T0069:1, H0560:1, S0210:1, L0763:1, L0637:1, L0646:1, L0800:1, L0771:1, L0773:1, L0775:1, L0659:1, L0789:1, L0666:1, H0691:1, H0576:1, H0478:1, H0626:1, L0731:1, H0444:1, L0592:1 and S0242:1.
	HOF0C73	907073	464	
	HOF0C73	907072	465	
	HOF0C73	878863	466	
238	HOGAW62	579891	248	AR039:34, AR313:23, AR299:21, AR096:19, AR089:15, AR104:11, AR300:10, AR219:10, AR185:10, AR316:8, AR277:8, AR060:7, AR218:7, AR240:6, AR282:6, AR215:5, AR055:4, AR196:3, AR263:2, AR169:2, AR271:2, AR168:2, AR182:2, AR283:2, AR198:2, AR163:2, AR254:2, AR243:2, AR257:2, AR176:2, AR165:2, AR180:2, AR297:1, AR164:1, AR205:1, AR230:1, AR275:1, AR217:1, AR291:1, AR270:1, AR213:1, AR312:1, AR247:1, AR193:1, AR269:1, AR266:1 H0435:2, S0114:1, L0606:1 and H0779:1.
239	HOHCH55	827481	249	AR169:3, AR225:3, AR223:3, AR178:3, AR170:3, AR253:3, AR172:2, AR168:2, AR224:2, AR310:2, AR284:2, AR246:2, AR282:2, AR171:2, AR311:1, AR217:1, AR206:1, AR166:1, AR213:1, AR277:1, AR186:1, AR265:1, AR240:1, AR295:1, AR266:1 S0276:12, S0196:5, H0024:4, S0250:4, S0022:3, S0040:2, S0028:2, S0298:1, T0082:1, H0545:1, S0206:1, S0011:1 and S0194:1.

	HOHCH55	815682	467	
240	HOQBJ82	1352356	250	AR207:16, AR197:15, AR309:14, AR195:13, AR311:13, AR263:13, AR224:13, AR264:13, AR245:13, AR223:12, AR235:12, AR253:12, AR252:12, AR246:11, AR201:11, AR222:10, AR170:10, AR171:10, AR221:10, AR053:10, AR312:10, AR172:9, AR308:9, AR198:9, AR169:9, AR225:9, AR168:9, AR242:9, AR214:9, AR215:9, AR177:9, AR192:9, AR212:9, AR272:9, AR165:9, AR295:8, AR196:8, AR089:8, AR166:8, AR271:8, AR261:8, AR216:8, AR164:8, AR210:8, AR200:7, AR199:7, AR213:7, AR218:7, AR277:7, AR254:7, AR288:7, AR176:7, AR219:7, AR316:7, AR193:7, AR274:7, AR240:7, AR285:7, AR181:7, AR236:7, AR217:7, AR282:7, AR204:7, AR178:7, AR211:6, AR291:6, AR275:6, AR286:6, AR162:6, AR161:6, AR287:6, AR060:6, AR247:6, AR203:6, AR096:6, AR250:6, AR163:6, AR243:6, AR188:6, AR183:6, AR033:6, AR205:6, AR266:6, AR191:6, AR268:6, AR174:6, AR180:6, AR189:6, AR293:5, AR229:5, AR104:5, AR175:5, AR289:5, AR055:5, AR270:5, AR299:5, AR297:5, AR296:5, AR039:5, AR313:5, AR300:5, AR231:5, AR262:5, AR234:5, AR290:5, AR267:5, AR257:5, AR239:5, AR233:4, AR226:4, AR238:4, AR237:4, AR269:4, AR258:4, AR173:4, AR185:4, AR228:4, AR294:4, AR283:4, AR182:4, AR230:4, AR061:4, AR255:4, AR190:4, AR232:4, AR179:4, AR256:4, AR260:4, AR227:3, L0766:12, L0758:7, H0616:4, L0439:4, L0754:4, L0747:4, L0779:4, L0777:4, L0601:4, H0657:3, H0656:3, H0081:3, H0031:3, H0038:3, S0222:2, H0455:2, H0618:2, H0617:2, T0042:2, H0494:2, S0210:2, H0529:2, L0769:2, L0662:2, L0794:2, L0665:2, H0445:2, H0543:2, H0170:1, H0394:1, H0556:1, T0002:1, S0029:1, H0662:1, S0358:1, S0045:1, S0046:1, S0140:1, L0717:1, H0370:1, H0392:1, H0497:1, H0574:1, H0253:1, H0318:1, H0597:1, H0544:1, H0545:1, H0178:1, L0157:1, L0471:1, S0050:1, H0014:1, H0051:1, T0010:1, H0408:1, H0266:1, H0188:1, H0290:1, S0022:1, H0135:1, H0090:1, H0040:1, H0634:1, H0264:1, S0448:1, H0641:1, S0142:1, S0344:1, L0770:1, L0637:1, L0645:1, L0771:1, L0521:1, L0768:1, L0803:1, L0806:1, L0805:1, L0652:1, L0653:1, L0776:1, L0655:1, L0629:1, L0659:1, L0789:1, L0791:1, L0663:1, L0664:1, H0519:1, H0662:1, H0539:1, H0521:1, H0522:1, H0134:1, H0214:1, L0749:1, L0750:1, H0667:1, H0542:1, H0423:1 and H0422:1.
	HOQBJ82	858338	468	
	HOQBJ82	857453	469	
241	HOSBY40	589431	251	AR197:6, AR309:6, AR250:5, AR176:5, AR245:4, AR169:4, AR161:4, AR162:4, AR277:4, AR163:4, AR201:4, AR282:4, AR253:4, AR198:4, AR177:4, AR229:3, AR272:3, AR181:3, AR089:3, AR299:3, AR193:3, AR264:3, AR269:3, AR239:3, AR190:3, AR189:3, AR246:3, AR233:3, AR237:3, AR195:3, AR257:3, AR238:3, AR300:3, AR313:3, AR165:3, AR270:3, AR172:3, AR166:3, AR271:3, AR275:3, AR255:3, AR240:3, AR207:2, AR274:2, AR216:2, AR228:2, AR312:2, AR215:2, AR183:2, AR196:2, AR226:2, AR311:2, AR096:2, AR203:2, AR262:2, AR191:2, AR247:2, AR060:2, AR268:2, AR316:2, AR199:2, AR188:2, AR243:2, AR205:2, AR261:2, AR231:2, AR178:2, AR180:2, AR227:2, AR223:2, AR263:2, AR232:2, AR266:2, AR222:2, AR061:2, AR164:2, AR258:2, AR217:1, AR200:1, AR224:1, AR174:1, AR283:1, AR182:1, AR267:1, AR171:1, AR185:1, AR234:1, AR192:1, AR297:1, AR170:1, S0418:1, H0393:1, S0003:1, L0766:1, L0804:1 and S0052:1.
242	HOSDJ25	854234	252	AR207:16, AR263:14, AR235:13, AR224:13, AR225:13, AR309:12, AR196:12, AR311:12, AR214:12, AR223:12, AR172:12, AR246:11, AR168:11, AR217:11, AR264:11, AR171:11, AR215:11, AR170:11, AR291:10, AR221:10, AR222:10, AR295:10, AR288:10, AR195:10, AR039:10, AR277:10, AR192:10, AR197:10, AR161:10, AR169:10, AR162:10, AR261:9, AR216:9, AR163:9, AR165:9, AR205:9, AR210:9, AR236:9, AR177:9, AR198:9, AR164:9, AR089:9,

				AR191:9, AR245:9, AR201:9, AR242:9, AR212:9, AR166:8, AR188:8, AR285:8, AR240:8, AR174:8, AR252:8, AR290:8, AR271:8, AR250:8, AR260:8, AR176:8, AR219:8, AR282:8, AR200:8, AR312:8, AR316:8, AR253:8, AR181:8, AR297:7, AR060:7, AR308:7, AR096:7, AR199:7, AR289:7, AR286:7, AR287:7, AR293:7, AR213:7, AR262:7, AR313:7, AR180:7, AR300:7, AR269:7, AR257:7, AR193:7, AR231:6, AR275:6, AR296:6, AR258:6, AR255:6, AR175:6, AR218:6, AR190:6, AR053:6, AR266:6, AR178:6, AR270:6, AR268:6, AR233:6, AR243:6, AR182:6, AR189:6, AR294:6, AR104:6, AR185:6, AR239:6, AR173:5, AR179:5, AR204:5, AR272:5, AR256:5, AR299:5, AR274:5, AR247:5, AR033:5, AR183:5, AR211:5, AR229:5, AR267:5, AR234:5, AR237:5, AR055:5, AR238:4, AR228:4, AR230:4, AR061:4, AR283:4, AR232:4, AR226:4, AR227:3, AR254:3, L0754:4, L0749:4, L0659:3, L0755:3, S0356:2, L0803:2, L0750:2, L0779:2, L0599:2, S0029:1, H0661:1, S0354:1, H0642:1, L0040:1, L0021:1, H0599:1, H0510:1, S0003:1, H0674:1, H0316:1, H0623:1, S0422:1, L0794:1, L0522:1, L0774:1, L0526:1, L0809:1, H0520:1, H0659:1, H0670:1, L0752:1, L0608:1 and S0242:1.
	HOSDJ25	566845	470	
243	HOSFD58	614040	253	AR238:482, AR237:434, AR232:414, AR226:409, AR227:404, AR061:378, AR273:187, AR244:186, AR231:169, AR052:154, AR241:151, AR259:146, AR186:140, AR194:138, AR233:132, AR206:130, AR219:116, AR184:112, AR292:111, AR202:110, AR229:107, AR234:106, AR192:104, AR205:98, AR280:94, AR309:89, AR293:88, AR243:87, AR033:87, AR204:87, AR218:85, AR175:85, AR271:80, AR299:78, AR096:77, AR185:77, AR213:75, AR300:75, AR284:75, AR177:74, AR251:74, AR298:73, AR267:73, AR055:72, AR281:71, AR315:71, AR198:70, AR274:69, AR314:69, AR313:69, AR312:68, AR039:67, AR310:66, AR183:66, AR290:66, AR246:63, AR282:62, AR253:61, AR256:61, AR247:59, AR294:58, AR249:57, AR053:57, AR179:54, AR316:52, AR295:51, AR060:50, AR265:49, AR266:48, AR269:48, AR286:48, AR283:48, AR104:47, AR289:47, AR275:46, AR270:45, AR240:45, AR089:44, AR248:43, AR182:42, AR277:41, AR296:40, AR258:39, AR268:39, AR285:34, AR291:33, AR263:28, AR250:20, AR245:19, AR272:19, AR165:19, AR166:18, AR164:18, AR252:17, AR162:16, AR163:15, AR197:15, AR254:15, AR308:14, AR161:14, AR264:14, AR225:14, AR195:12, AR212:12, AR214:11, AR178:10, AR180:9, AR199:9, AR216:9, AR217:8, AR224:8, AR176:8, AR311:8, AR215:8, AR169:8, AR214:8, AR170:8, AR173:8, AR193:8, AR297:7, AR221:7, AR174:7, AR222:7, AR223:7, AR201:7, AR207:7, AR168:6, AR211:6, AR181:6, AR188:6, AR189:6, AR210:5, AR288:5, AR196:4, AR191:4, AR257:4, AR235:4, AR261:4, AR287:4, AR190:4, AR203:4, AR239:4, AR236:4, AR228:4, AR262:3, AR255:3, AR230:3, AR200:3, AR260:2, L0666:8, H0013:7, H0046:7, S0126:7, S0214:6, L0756:6, L0439:5, L0749:5, L0362:5, H0670:4, H0521:4, L0777:4, L0731:4, H0624:3, H0170:3, H0171:3, H0250:3, H0024:3, S0003:3, H0038:3, S0422:3, L0775:3, L0805:3, H0144:3, H0547:3, S0028:3, L0742:3, L0748:3, H0341:2, S0001:2, S0045:2, H0427:2, H0052:2, H0169:2, S0036:2, H0616:2, S0150:2, L0761:2, L0646:2, L0655:2, L0659:2, L0529:2, H0520:2, H0522:2, S0206:2, L0747:2, S0031:2, H0423:2, S0412:2, H0556:1, S0212:1, S0282:1, H0662:1, H0638:1, S0348:1, S0442:1, S0444:1, H0208:1, S0300:1, L3388:1, S0278:1, H0261:1, H0550:1, H0333:1, H0574:1, T0114:1, H0575:1, S0474:1, H0581:1, T0115:1, H0050:1, L0471:1, H0014:1, H0373:1, H0051:1, S0051:1, T0010:1, S0628:1, H0266:1, H0687:1, H0428:1, H0039:1, H0553:1, H0644:1, H0628:1, H0674:1, H0124:1, H0090:1, H0551:1, T0067:1, H0268:1, L0351:1, T0041:1, T0042:1, S0440:1, H0641:1, H0646:1, S0142:1, S0344:1, S0002:1, H0529:1, L0763:1, L0769:1, L0643:1, L0771:1, L0521:1, L0794:1, L0766:1, L0803:1, L0774:1, L0651:1, L0517:1, L0519:1, L5622:1, L0664:1, L0665:1, L0352:1, L3827:1, H0519:1, S0122:1, H0689:1, H0648:1, H0672:1, H0539:1, S0380:1, S0136:1, H0478:1,

				L0744:1, L0779:1, L0780:1, L0758:1, L0759:1, S0436:1, L0599:1, S0026:1, H0665:1, H0136:1 and H0542:1.
	HOSFD58	383513	471	
244	HPDDC77	1306899	254	AR060:25, AR104:24, AR089:24, AR055:22, AR185:18, AR039:15, AR096:12, AR316:11, AR218:9, AR283:9, AR300:9, AR219:8, AR299:8, AR240:7, AR282:7, AR161:6, AR162:6, AR313:6, AR163:6, AR235:6, AR198:6, AR197:6, AR204:6, AR277:5, AR201:5, AR269:5, AR228:5, AR233:5, AR236:5, AR176:4, AR309:4, AR246:4, AR271:4, AR180:4, AR182:4, AR229:4, AR257:4, AR181:4, AR267:4, AR178:4, AR237:4, AR225:4, AR183:4, AR239:4, AR275:4, AR192:4, AR294:4, AR287:4, AR177:4, AR165:4, AR268:4, AR179:4, AR270:4, AR193:3, AR164:3, AR293:3, AR166:3, AR288:3, AR222:3, AR311:3, AR191:3, AR171:3, AR266:3, AR230:3, AR168:3, AR261:3, AR231:3, AR196:3, AR213:3, AR061:3, AR264:3, AR173:3, AR255:3, AR205:3, AR291:3, AR174:3, AR175:3, AR296:3, AR290:3, AR216:3, AR272:3, AR262:3, AR234:3, AR214:2, AR169:2, AR227:2, AR238:2, AR232:2, AR297:2, AR263:2, AR295:2, AR289:2, AR285:2, AR053:2, AR286:2, AR188:2, AR226:2, AR190:2, AR203:2, AR033:2, AR189:2, AR243:2, AR247:2, AR312:2, AR199:2, AR172:2, AR258:2, AR217:2, AR260:1, AR211:1, AR256:1, AR242:1, AR200:1, AR308:1, AR224:1, AR210:1, L0754:5, L0752:5, H0616:4, L0362:4, L0717:3, H0587:3, H0013:3, L0766:3, L0804:3, S0136:3, L0744:3, L0745:3, L0485:3, L0005:2, S0360:2, H0156:2, L0021:2, H0575:2, H0581:2, H0271:2, H0687:2, H0039:2, H0553:2, H0598:2, H0413:2, L0649:2, L0774:2, L0809:2, L0666:2, H0593:2, S0378:2, L0751:2, H0543:2, H0624:1, H0170:1, H0657:1, S0116:1, S0376:1, T0008:1, H0586:1, H0486:1, H0635:1, H0427:1, H0274:1, H0009:1, H0123:1, H0266:1, S0340:1, S0003:1, H0252:1, T0023:1, H0032:1, H0674:1, H0040:1, H0488:1, S0438:1, S0422:1, H0529:1, L0369:1, L0762:1, L0646:1, L0773:1, L0648:1, L0662:1, L0775:1, L0655:1, L0527:1, L0659:1, L0663:1, L0664:1, L0665:1, S0428:1, H0144:1, H0702:1, S0374:1, H0435:1, H0658:1, H0670:1, H0521:1, H0187:1, H0436:1, L0750:1, L0686:1, L0599:1, S0192:1, S0242:1, S0194:1 and H0506:1.
	HPDDC77	422936	472	
245	HPEAD79	520202	255	AR277:24, AR176:5, AR039:5, AR162:5, AR205:5, AR161:5, AR235:5, AR163:5, AR282:5, AR309:5, AR168:4, AR223:4, AR228:4, AR181:4, AR266:4, AR182:4, AR269:4, AR229:4, AR257:3, AR233:3, AR272:3, AR178:3, AR180:3, AR165:3, AR264:3, AR261:3, AR268:3, AR195:3, AR164:3, AR275:3, AR166:3, AR267:3, AR183:3, AR196:3, AR238:3, AR237:3, AR236:3, AR316:3, AR171:3, AR170:3, AR179:3, AR245:3, AR060:3, AR262:3, AR193:3, AR177:3, AR255:3, AR242:3, AR289:3, AR201:3, AR230:3, AR311:3, AR254:3, AR215:2, AR290:2, AR294:2, AR204:2, AR216:2, AR231:2, AR287:2, AR299:2, AR288:2, AR227:2, AR300:2, AR033:2, AR089:2, AR191:2, AR239:2, AR173:2, AR271:2, AR225:2, AR270:2, AR295:2, AR293:2, AR296:2, AR234:2, AR185:2, AR285:2, AR214:2, AR226:2, AR274:2, AR190:2, AR203:2, AR096:2, AR199:2, AR189:2, AR247:2, AR297:2, AR200:2, AR217:2, AR246:2, AR055:2, AR175:2, AR211:2, AR232:2, AR061:2, AR283:2, AR286:2, AR053:1, AR222:1, AR263:1, AR256:1, AR260:1, AR258:1, AR210:1, AR291:1, AR188:1, AR174:1, AR312:1, AR252:1, AR224:1, AR219:1, H0165:1
246	HPFCL43	535710	256	AR274:4, AR221:3, AR163:2, AR266:2, AR171:2, AR177:2, AR289:2, AR205:2, AR264:2, AR161:1, AR225:1, AR297:1, AR217:1, AR162:1, AR053:1, AR269:1, AR282:1, AR313:1, AR172:1, AR270:1, AR212:1, L0766:3, L0731:3, S0358:2, H0529:2, L0794:2, L0777:2, L0759:2, H0624:1, H0657:1, S0408:1, H0441:1, H0562:1, H0083:1, H0169:1, H0413:1, L0763:1, L0500:1, L0772:1, L0768:1, L5574:1, L0803:1, L0804:1, L0655:1, L0809:1, L0664:1, H0144:1, S0374:1, H0648:1, L0742:1, L0745:1, L0750:1, L0752:1, L0758:1 and H0422:1.

247	HPIBO15	1310868	257	AR240:10, AR211:10, AR178:9, AR270:8, AR221:8, AR295:7, AR235:7, AR161:7, AR162:7, AR189:7, AR163:7, AR288:7, AR255:6, AR191:6, AR175:6, AR293:6, AR096:6, AR183:6, AR182:6, AR188:6, AR269:5, AR236:5, AR190:5, AR173:5, AR180:5, AR165:5, AR174:5, AR290:5, AR164:5, AR274:5, AR166:5, AR060:5, AR261:5, AR179:5, AR203:5, AR195:5, AR222:5, AR055:4, AR193:4, AR181:4, AR297:4, AR291:4, AR171:4, AR197:4, AR168:4, AR289:4, AR266:4, AR268:4, AR296:4, AR262:4, AR287:4, AR104:4, AR196:4, AR267:4, AR247:4, AR177:4, AR299:4, AR176:4, AR033:4, AR246:4, AR172:4, AR225:3, AR263:3, AR286:3, AR275:3, AR217:3, AR170:3, AR316:3, AR294:3, AR285:3, AR308:3, AR228:3, AR300:3, AR282:3, AR089:3, AR257:3, AR277:3, AR214:3, AR238:3, AR224:3, AR245:3, AR233:3, AR210:3, AR272:3, AR201:3, AR254:3, AR309:3, AR311:3, AR243:3, AR264:3, AR212:3, AR215:3, AR185:3, AR312:3, AR260:3, AR213:3, AR313:3, AR053:2, AR256:2, AR200:2, AR237:2, AR231:2, AR283:2, AR229:2, AR061:2, AR239:2, AR216:2, AR227:2, AR232:2, AR226:2, AR258:2, AR234:2, AR230:2, AR271:2, AR199:2, AR039:1, AR223:1, L0747:8, L0749:5, L0755:5, H0013:3, L0769:3, L0731:3, S0212:2, L0770:2, L0803:2, H0144:2, L0756:2, H0624:1, H0171:1, S0282:1, H0776:1, H0592:1, H0427:1, H0575:1, H0041:1, H0124:1, H0163:1, H0038:1, L0637:1, L0774:1, L0775:1, L0791:1, H0648:1, H0756:1, S0028:1, L0439:1, L0777:1 and S0436:1.
	HPIBO15	590741	473	
248	HPICB53	1042309	258	AR313:55, AR196:31, AR173:27, AR165:25, AR164:24, AR161:23, AR162:23, AR166:23, AR096:22, AR242:22, AR258:21, AR089:21, AR229:20, AR163:19, AR180:19, AR262:19, AR247:19, AR175:19, AR240:18, AR300:18, AR199:18, AR234:17, AR179:17, AR185:17, AR299:17, AR174:16, AR257:16, AR312:15, AR238:14, AR218:14, AR178:14, AR182:14, AR200:14, AR191:14, AR296:14, AR285:13, AR181:13, AR293:13, AR264:13, AR269:13, AR177:13, AR275:13, AR226:13, AR183:13, AR213:13, AR233:13, AR219:12, AR236:12, AR192:12, AR230:12, AR316:12, AR060:12, AR193:12, AR189:12, AR203:12, AR294:11, AR270:11, AR053:11, AR260:11, AR039:11, AR297:10, AR231:10, AR282:10, AR287:10, AR255:9, AR188:9, AR274:9, AR237:9, AR261:9, AR228:9, AR212:9, AR268:9, AR286:9, AR295:8, AR277:8, AR033:8, AR288:8, AR239:7, AR245:7, AR104:7, AR235:7, AR263:7, AR290:7, AR267:7, AR190:7, AR227:7, AR198:7, AR308:7, AR311:7, AR176:6, AR250:6, AR309:6, AR207:6, AR254:6, AR201:6, AR197:6, AR291:6, AR256:5, AR266:5, AR243:5, AR204:5, AR195:5, AR271:5, AR272:5, AR211:5, AR210:5, AR283:5, AR221:4, AR252:4, AR289:4, AR232:4, AR055:3, AR253:3, AR205:3, AR061:3, AR217:2, AR246:2, AR214:2, AR223:2, AR216:2, AR171:2, AR168:2, AR222:2, AR225:1, AR215:1, AR172:1 S0150:1
	HPICB53	867835	474	
249	HPJBI33	685699	259	AR161:12, AR162:12, AR163:12, AR313:8, AR165:8, AR229:8, AR164:8, AR166:7, AR275:6, AR247:6, AR180:5, AR264:5, AR270:5, AR173:5, AR233:5, AR237:5, AR174:5, AR274:5, AR176:5, AR181:5, AR177:5, AR246:5, AR240:5, AR312:4, AR263:4, AR234:4, AR309:4, AR183:4, AR096:4, AR179:4, AR185:4, AR182:4, AR238:4, AR269:4, AR178:4, AR282:4, AR293:4, AR272:3, AR231:3, AR296:3, AR268:3, AR196:3, AR230:3, AR226:3, AR104:3, AR226:3, AR170:3, AR089:3, AR300:3, AR228:3, AR261:3, AR175:3, AR297:3, AR236:2, AR217:2, AR291:2, AR311:2, AR169:2, AR316:2, AR255:2, AR033:2, AR295:2, AR294:2, AR191:2, AR267:2, AR168:2, AR171:2, AR277:2, AR286:2, AR290:2, AR262:2, AR199:2, AR227:2, AR189:2, AR239:2, AR203:2, AR257:2, AR285:2, AR273:2, AR299:2, AR266:2, AR060:2, AR287:2, AR214:2, AR190:1, AR200:1, AR061:1, AR308:1, AR216:1, AR213:1, AR224:1, AR195:1, AR289:1, AR055:1 S0152:1
250	HPJBK12	1011467	260	AR215:5, AR197:4, AR039:4, AR245:4, AR161:3, AR162:3, AR163:3, AR204:3, AR165:3, AR225:3, AR169:3,

					AR264:3, AR282:3, AR272:3, AR089:3, AR180:3, AR213:3, AR172:3, AR253:2, AR166:2, AR212:2, AR193:2, AR252:2, AR271:2, AR312:2, AR275:2, AR164:2, AR060:2, AR240:2, AR216:2, AR266:2, AR201:2, AR205:2, AR183:2, AR176:2, AR195:2, AR223:2, AR283:2, AR277:1, AR311:1, AR247:1, AR313:1, AR242:1, AR199:1, AR299:1, AR316:1, AR188:1, AR104:1, AR168:1, AR185:1, AR291:1, AR287:1, AR231:1, AR294:1, AR230:1, AR096:1 S0152:2
	HPJBK12	525375	475		
	HPJBK12	796925	476		
	HPJBK12	699587	477		
251	HPMDK28	846357	261		AR055:9, AR089:9, AR218:7, AR060:7, AR104:7, AR219:7, AR299:6, AR096:6, AR185:5, AR316:4, AR180:4, AR039:4, AR282:4, AR283:3, AR198:3, AR169:3, AR165:3, AR235:3, AR242:2, AR207:2, AR300:2, AR217:2, AR223:2, AR277:2, AR286:2, AR270:2, AR224:2, AR263:2, AR163:2, AR161:2, AR240:2, AR166:2, AR289:2, AR272:1, AR164:1, AR172:1, AR261:1, AR252:1, AR269:1, AR295:1, AR170:1, AR297:1, AR177:1 S0358:5, L0809:4, L0742:4, L0743:4, L0590:4, H0543:4, S0360:3, H0031:3, S0422:3, L0763:3, L0764:3, L0766:3, L0754:3, H0716:2, H0333:2, H0266:2, H0617:2, L4497:2, L0769:2, L0776:2, H0658:2, H0696:2, L0748:2, L0749:2, H0445:2, S0434:2, S0110:1, H0663:1, L0481:1, H0730:1, H0747:1, H0411:1, H0431:1, H0370:1, H0574:1, H0632:1, L2490:1, H0253:1, H0052:1, H0546:1, H0545:1, H0150:1, H0123:1, H0012:1, S0050:1, S0051:1, H0188:1, S0003:1, H0428:1, T0006:1, H0606:1, H0673:1, H0090:1, H0040:1, H0412:1, T0069:1, S0112:1, S0344:1, H0538:1, H0529:1, L0770:1, L0761:1, L0662:1, L0768:1, L0794:1, L0560:1, L0775:1, L0806:1, L0517:1, L0540:1, L0384:1, L5622:1, L0666:1, L0665:1, L2260:1, L2654:1, S0374:1, H0684:1, L3832:1, S0004:1, S0390:1, S3014:1, L0439:1, L0740:1, L0747:1, L0756:1, L0779:1, S0436:1, L0480:1, L0596:1, S0026:1, S0276:1, S0196:1, L2854:1 and L3612:1.
	HPMDK28	639118	478		
252	HPMFP40	638165	262		AR282:6, AR180:3, AR197:3, AR242:3, AR161:3, AR245:3, AR163:3, AR162:2, AR263:2, AR230:2, AR240:2, AR224:2, AR176:2, AR235:2, AR177:2, AR283:1, AR223:1, AR299:1, AR178:1, AR272:1, AR277:1, AR171:1, AR089:1 H0031:6
253	HPRAL78	1352342	263		AR104:11, AR089:10, AR060:9, AR283:7, AR277:7, AR039:6, AR055:6, AR316:6, AR096:6, AR219:6, AR263:5, AR299:5, AR218:5, AR313:5, AR185:5, AR240:5, AR282:5, AR206:3, AR204:3, AR300:2, AR312:2, AR291:2, AR251:2, AR246:2, AR052:2, AR184:2, AR202:2, AR290:2, AR232:2, AR295:2, AR238:2, AR237:2, AR298:2, AR270:2, AR309:2, AR292:2, AR268:2, AR285:1, AR177:1, AR310:1, AR182:1, AR213:1, AR226:1, AR053:1, AR186:1, AR175:1, AR289:1, AR205:1, AR183:1, AR233:1, AR294:1, AR284:1, AR229:1 H0694:5, L0759:5, L0766:4, H0261:3, S0222:3, H0486:3, H0052:3, L0731:3, L3316:2, H0252:2, L0764:2, L0662:2, L0775:2, L0657:2, L0659:2, L0530:2, L0666:2, L0748:2, L0439:2, L0750:2, L0588:2, L0594:2, H0224:1, H0717:1, H0656:1, S0001:1, S0360:1, S0408:1, H0729:1, S0045:1, H0619:1, L3388:1, H0592:1, H0587:1, H0333:1, S0474:1, H0014:1, L0163:1, H0051:1, H0355:1, T0006:1, H0644:1, H0032:1, H0212:1, L0456:1, H0124:1, H0708:1, S0036:1, H0038:1, H0616:1, H0087:1, H0059:1, H0280:1, S0440:1, S0150:1, H0633:1, L0369:1, L0763:1, L0769:1, L0638:1, L0637:1, L5566:1, L0761:1, L0772:1, L0648:1, L0803:1, L0650:1, L0805:1, L0809:1, L0647:1, L0665:1, H0539:1, H0521:1, H0696:1, H0555:1, L0754:1, L0749:1, L0753:1, L0755:1, L0757:1, L0605:1, L0599:1 and L3352:1.
	HPRAL78	844216	479		

	HPRAL78	484735	480	
254	HPRBC80	829136	264	AR296:40, AR291:16, AR295:15, AR289:12, AR256:12, AR235:11, AR261:11, AR266:11, AR165:11, AR277:11, AR264:11, AR164:11, AR161:11, AR162:11, AR260:10, AR163:10, AR297:10, AR166:10, AR285:10, AR039:9, AR257:9, AR288:9, AR089:9, AR236:9, AR263:9, AR313:8, AR191:8, AR204:8, AR238:8, AR287:8, AR255:8, AR286:8, AR207:8, AR253:8, AR293:8, AR309:8, AR198:8, AR242:8, AR271:7, AR096:7, AR312:7, AR262:7, AR196:7, AR316:7, AR205:7, AR181:7, AR192:7, AR254:7, AR282:7, AR104:7, AR311:6, AR308:6, AR171:6, AR250:6, AR053:6, AR182:6, AR055:6, AR225:6, AR294:6, AR269:6, AR283:6, AR240:6, AR258:6, AR217:6, AR199:6, AR270:6, AR190:6, AR173:6, AR245:5, AR272:5, AR243:5, AR176:5, AR224:5, AR175:5, AR177:5, AR183:5, AR200:5, AR060:5, AR299:5, AR180:5, AR268:5, AR197:5, AR188:5, AR223:5, AR170:5, AR174:5, AR218:5, AR221:5, AR212:5, AR246:5, AR214:5, AR193:4, AR300:4, AR213:4, AR274:4, AR195:4, AR179:4, AR178:4, AR231:4, AR275:4, AR232:4, AR189:4, AR267:4, AR185:4, AR201:4, AR233:4, AR168:4, AR172:4, AR219:4, AR222:4, AR216:4, AR247:4, AR290:4, AR226:4, AR211:4, AR203:4, AR033:4, AR239:4, AR234:4, AR252:4, AR237:3, AR215:3, AR229:3, AR228:3, AR061:3, AR230:3, AR210:2, AR227:2, AR169:2, L0805:5, L0809:5, L0759:4, L0740:3, L0758:3, H0657:2, S0444:2, H0032:2, S0422:2, L0650:2, L0776:2, L0789:2, L0756:2, L0595:2, L0601:2, L3643:1, H0713:1, T0049:1, S0134:1, L0002:1, S0001:1, L0005:1, S0442:1, H0734:1, H0747:1, H0586:1, H0013:1, H0147:1, H0070:1, H0622:1, H0553:1, L0055:1, H0674:1, H0090:1, H0591:1, H0616:1, H0264:1, H0272:1, L0369:1, L0641:1, L0773:1, L0662:1, L0767:1, L0794:1, L0766:1, L0649:1, L0803:1, L0651:1, L0655:1, L0526:1, L4501:1, L0666:1, L0664:1, H0658:1, H0670:1, H0648:1, H0710:1, S0436:1, L0362:1, S0026:1, H0136:1, H0543:1 and S0042:1.
255	HPRBC80 HPTTG19	720095 635033	481 265	AR185:7, AR060:6, AR055:6, AR162:5, AR161:5, AR163:5, AR180:5, AR176:4, AR096:4, AR243:4, AR235:4, AR269:4, AR274:4, AR182:4, AR275:4, AR204:4, AR089:4, AR266:4, AR236:4, AR231:3, AR271:3, AR229:3, AR300:3, AR257:3, AR261:3, AR215:3, AR196:3, AR214:3, AR228:3, AR255:3, AR295:3, AR233:3, AR165:3, AR270:3, AR205:3, AR201:3, AR164:3, AR240:3, AR316:3, AR191:3, AR199:3, AR193:3, AR192:3, AR282:3, AR183:3, AR267:3, AR238:3, AR290:3, AR294:2, AR217:2, AR216:2, AR283:2, AR181:2, AR247:2, AR287:2, AR239:2, AR061:2, AR190:2, AR286:2, AR230:2, AR200:2, AR234:2, AR285:2, AR237:2, AR293:2, AR179:2, AR247:2, AR309:2, AR277:2, AR104:2, AR039:2, AR175:2, AR272:2, AR288:2, AR299:2, AR178:2, AR263:2, AR312:2, AR188:2, AR291:2, AR226:2, AR219:2, AR297:2, AR166:2, AR262:2, AR296:2, AR203:2, AR258:2, AR177:2, AR289:2, AR227:2, AR311:1, AR264:1, AR173:1, AR222:1, AR254:1, AR268:1, AR260:1, AR198:1, AR218:1, AR232:1, AR174:1, AR210:1 H0424:3, H0637:2, H0213:2, H0265:1, H0556:1, L0375:1 and L0530:1.
256	HPZAB47	585702	266	AR313:12, AR165:9, AR164:8, AR163:8, AR166:8, AR162:8, AR173:8, AR161:7, AR242:7, AR089:7, AR180:6, AR247:6, AR096:6, AR300:6, AR178:6, AR175:5, AR198:5, AR257:5, AR293:5, AR262:5, AR176:5, AR183:5, AR197:5, AR181:5, AR039:5, AR229:5, AR299:5, AR309:5, AR182:5, AR254:5, AR204:4, AR274:4, AR258:4, AR192:4, AR269:4, AR233:4, AR179:4, AR275:4, AR226:4, AR238:4, AR312:4, AR264:4, AR263:4, AR291:4, AR060:4, AR053:4, AR174:4, AR270:4, AR316:4, AR267:4, AR212:4, AR177:4, AR234:4, AR185:4, AR271:3, AR296:3, AR172:3, AR196:3, AR268:3, AR168:3, AR294:3, AR261:3, AR199:3, AR297:3, AR237:3, AR250:3, AR189:3, AR285:3, AR277:3, AR239:3, AR289:3, AR228:3, AR240:3, AR308:3, AR283:3, AR205:3, AR203:3, AR287:3, AR201:3, AR286:3, AR227:3, AR224:3,

257	HRAAB15	658717	267	AR282:3, AR193:3, AR246:3, AR231:3, AR191:3, AR260:3, AR255:3, AR311:2, AR213:2, AR290:2, AR188:2, AR243:2, AR236:2, AR288:2, AR104:2, AR295:2, AR218:2, AR219:2, AR033:2, AR061:2, AR232:2, AR190:2, AR195:2, AR256:2, AR272:2, AR200:2, AR055:1, AR230:1, AR225:1, AR211:1 L0530:2, S0470:1, S0360:1, T0003:1, H0488:1, L0789:1, S0378:1 and S0168:1.
				AR184:5, AR263:5, AR170:5, AR171:4, AR311:4, AR265:4, AR165:4, AR221:4, AR164:4, AR166:4, AR243:4, AR308:4, AR309:4, AR225:3, AR252:3, AR162:3, AR169:3, AR161:3, AR195:3, AR163:3, AR053:3, AR269:3, AR282:3, AR205:3, AR312:3, AR215:3, AR217:3, AR251:3, AR267:3, AR182:2, AR178:2, AR183:2, AR213:2, AR310:2, AR052:2, AR089:2, AR193:2, AR249:2, AR196:2, AR264:2, AR268:2, AR180:2, AR212:2, AR033:2, AR201:2, AR104:2, AR277:2, AR176:2, AR313:2, AR275:2, AR291:2, AR270:2, AR219:2, AR175:2, AR238:2, AR257:2, AR247:2, AR060:2, AR231:1, AR173:1, AR226:1, AR191:1, AR298:1, AR288:1, AR190:1, AR039:1, AR229:1, AR223:1, AR296:1, AR295:1, AR186:1, AR218:1, AR284:1, AR234:1, AR262:1, AR292:1, AR290:1, AR241:1, AR203:1, AR206:1, AR096:1, AR300:1, AR299:1, AR177:1, AR274:1, AR237:1, AR287:1, AR240:1, AR188:1, AR315:1, AR289:1, AR285:1, AR316:1, AR286:1, AR185:1, AR230:1 L0809:2, S0374:2, H0556:1, H0580:1, S0222:1, H0551:1, L0770:1, L0796:1, L0800:1, L0804:1, L0655:1, H0555:1 and L0779:1.
258	HRABA80	882176	268	AR060:929, AR104:796, AR089:725, AR055:678, AR299:627, AR283:625, AR282:494, AR185:464, AR096:462, AR316:387, AR039:363, AR240:317, AR277:285, AR300:278, AR218:153, AR313:152, AR219:140, AR242:4, AR221:3, AR217:2, AR291:2, AR172:2, AR205:2, AR163:2, AR165:2, AR178:2, AR161:2, AR168:2, AR166:2, AR164:1, AR171:1, AR195:1, AR268:1, AR180:1, AR266:1, AR215:1, AR234:1, AR230:1, AR257:1, AR199:1, AR270:1, AR179:1 H0555:1
	HRABA80	588460	482	
259	HRACD15	871221	269	AR193:12, AR165:11, AR164:11, AR166:10, AR299:10, AR313:9, AR162:9, AR161:9, AR246:9, AR163:9, AR205:9, AR312:9, AR311:9, AR089:8, AR243:8, AR245:8, AR096:8, AR195:8, AR242:7, AR176:7, AR270:7, AR291:7, AR212:7, AR297:7, AR264:7, AR288:7, AR199:7, AR197:7, AR282:7, AR300:6, AR240:6, AR272:6, AR196:6, AR285:6, AR275:6, AR201:6, AR200:6, AR263:6, AR213:6, AR229:6, AR221:6, AR225:6, AR183:6, AR266:6, AR268:5, AR293:5, AR283:5, AR255:5, AR104:5, AR247:5, AR274:5, AR308:5, AR180:5, AR262:5, AR295:5, AR236:5, AR316:5, AR254:5, AR053:5, AR191:5, AR215:5, AR287:5, AR277:5, AR203:5, AR238:5, AR188:5, AR223:5, AR039:5, AR235:5, AR269:4, AR261:4, AR189:4, AR309:4, AR289:4, AR060:4, AR258:4, AR182:4, AR175:4, AR294:4, AR210:4, AR185:4, AR286:4, AR174:4, AR178:4, AR198:4, AR192:4, AR257:4, AR177:4, AR190:4, AR290:4, AR173:4, AR179:4, AR033:4, AR296:3, AR214:3, AR217:3, AR181:3, AR267:3, AR170:3, AR256:3, AR231:3, AR224:3, AR253:3, AR234:3, AR230:3, AR239:3, AR260:3, AR237:3, AR252:3, AR250:3, AR233:3, AR216:3, AR204:2, AR226:2, AR227:2, AR232:2, AR061:2, AR228:2, AR211:2, AR171:2, AR222:2, AR172:2, AR168:2, AR055:2, AR207:1, AR218:1 H0556:15, H0265:8, L0751:8, H0617:7, L0662:7, L0766:5, L0809:5, H0040:4, H0494:4, S0142:4, L0769:4, H0555:4, L0750:4, H0543:4, H0341:3, L0534:3, H0486:3, L0649:3, L0666:3, H0658:3, L0749:3, L0758:3, H0624:2, S0040:2, L0415:2, H0261:2, H0549:2, H0550:2, H0618:2, H0052:2, S0150:2, L0805:2, L0807:2, L0657:2, L0790:2, H0539:2, S0380:2, L0748:2, L0747:2, L0731:2, L0759:2, S0434:2, H0685:1, S0114:1, H0583:1, H0483:1, H0255:1, H0305:1, H0589:1, H0125:1, L0539:1, S0444:1, S0360:1, H0729:1, H0619:1, S0278:1, H0392:1, H0592:1, L3817:1, H0485:1, H0635:1, S0280:1, H0599:1, H0042:1, H0194:1, H0546:1, H0046:1, H0571:1, H0050:1, H0620:1, H0024:1, H0594:1, H0266:1, H0416:1, H0188:1, H0290:1, H0213:1,

					H0031:1, H0644:1, H0628:1, H0606:1, H0166:1, H0169:1, H0124:1, S0366:1, H0598:1, H0135:1, H0038:1, H0616:1, H0087:1, H0100:1, H0429:1, S0016:1, H0561:1, H0132:1, H0646:1, S0422:1, L0598:1, H0529:1, L0763:1, L0638:1, L4747:1, L0761:1, L0800:1, L0648:1, L0774:1, L0651:1, L0378:1, L0776:1, L0629:1, L0382:1, L0788:1, L0791:1, L0663:1, H0144:1, H0593:1, H0689:1, H0659:1, S0406:1, S0037:1, L0745:1, L0779:1, L0752:1, L0755:1, S0394:1, L0593:1, S0026:1, H0665:1, H0542:1, H0423:1 and H0506:1.
	HRACD15	706332	483		
260	HRACJ35	877666	270		AR222:51, AR224:51, AR221:28, AR223:24, AR225:20, AR172:14, AR171:9, AR170:9, AR182:9, AR215:9, AR214:9, AR183:8, AR216:8, AR169:8, AR168:7, AR268:7, AR217:7, AR180:7, AR176:5, AR269:5, AR173:5, AR266:5, AR175:4, AR270:4, AR165:4, AR164:4, AR181:4, AR166:4, AR290:4, AR163:4, AR238:4, AR096:4, AR161:4, AR162:4, AR195:3, AR267:3, AR274:3, AR291:3, AR243:3, AR250:3, AR289:3, AR179:3, AR316:3, AR230:3, AR247:3, AR282:3, AR060:3, AR257:3, AR240:2, AR104:2, AR246:2, AR196:2, AR255:2, AR177:2, AR300:2, AR228:2, AR288:2, AR231:2, AR237:2, AR277:2, AR174:2, AR192:2, AR178:2, AR297:2, AR191:2, AR229:2, AR226:2, AR205:2, AR061:2, AR185:2, AR190:2, AR189:2, AR263:2, AR294:2, AR203:2, AR233:2, AR210:2, AR275:2, AR287:1, AR089:1, AR283:1, AR234:1, AR033:1, AR311:1, AR213:1, AR055:1, AR293:1, AR227:1, AR201:1, AR312:1, AR200:1, AR039:1, AR188:1, AR239:1, AR296:1, AR193:1, L0731:1, L0803:7, L0748:7, L0517:6, L0809:6, L0749:6, L0439:5, S0410:4, S0002:4, L0770:4, L0794:4, L0805:4, L3212:4, S0436:4, L3388:3, H0553:3, L0506:3, L0747:3, L0752:3, H0713:2, H0661:2, H0244:2, H0156:2, H0644:2, L0662:2, L0775:2, L0666:2, L0438:2, H0521:2, L0757:2, L0758:2, L0759:2, H0171:1, S0040:1, H0650:1, S0212:1, S0358:1, S0444:1, S0360:1, H0580:1, H0722:1, H0208:1, H0619:1, H0441:1, H0537:1, H0497:1, H0333:1, H0632:1, T0060:1, H0013:1, H0427:1, S0346:1, H0052:1, H0231:1, H0166:1, H0673:1, S0364:1, L0455:1, H0163:1, H0040:1, S0015:1, H0745:1, H0509:1, H0652:1, S0210:1, S0426:1, L0796:1, L0766:1, L0804:1, L0774:1, L0776:1, L0659:1, L0526:1, L0783:1, L0529:1, L0647:1, L0665:1, H0144:1, H0696:1, H0555:1, L0611:1, S0028:1, S0206:1, L0751:1, L0745:1, S0260:1, L0599:1, H0668:1, L0698:1 and S0460:1.
	HRACJ35	730504	484		
	HRACJ35	470546	485		
261	HRDFD27	567004	271		AR104:15, AR039:9, AR313:8, AR096:7, AR089:7, AR235:7, AR060:7, AR185:6, AR218:6, AR055:6, AR180:6, AR161:6, AR162:6, AR163:6, AR226:6, AR219:6, AR033:6, AR299:6, AR173:5, AR165:5, AR164:5, AR166:5, AR196:5, AR300:5, AR316:4, AR257:4, AR309:4, AR171:4, AR240:4, AR176:4, AR181:4, AR179:4, AR214:4, AR212:4, AR175:4, AR183:4, AR269:4, AR178:4, AR237:4, AR191:4, AR275:4, AR282:4, AR262:4, AR239:4, AR277:4, AR182:4, AR264:3, AR236:3, AR247:3, AR229:3, AR174:3, AR274:3, AR268:3, AR234:3, AR233:3, AR238:3, AR258:3, AR216:3, AR225:3, AR200:3, AR254:3, AR231:3, AR255:3, AR228:3, AR211:3, AR267:3, AR293:3, AR203:3, AR285:3, AR177:3, AR296:3, AR283:3, AR169:3, AR294:3, AR266:3, AR190:3, AR290:3, AR291:3, AR189:3, AR297:2, AR286:2, AR217:2, AR288:2, AR053:2, AR289:2, AR222:2, AR188:2, AR287:2, AR205:2, AR263:2, AR210:2, AR227:2, AR232:2, AR312:2, AR168:2, AR204:2, AR230:2, AR261:2, AR308:2, AR199:2, AR270:2, AR272:1, AR295:1, AR260:1, AR061:1, AR195:1, AR215:1, AR256:1, AR193:1, H0305:2, H0124:2 and L0749:1.
262	HRGBL78	910133	272		AR052:15, AR213:14, AR053:10, AR244:8, AR096:7, AR184:6, AR215:6, AR310:5, AR251:5, AR241:5, AR221:4, AR273:4, AR170:4, AR270:3, AR206:3, AR249:3, AR186:3, AR284:3, AR312:3, AR290:3, AR292:3, AR168:3, AR039:3,

				AR266:3, AR055:3, AR298:3, AR282:3, AR172:3, AR198:3, AR281:3, AR202:3, AR289:2, AR205:2, AR269:2, AR313:2, AR293:2, AR295:2, AR061:2, AR253:2, AR183:2, AR316:2, AR182:2, AR265:2, AR267:2, AR277:2, AR285:2, AR195:2, AR268:2, AR238:2, AR299:2, AR259:2, AR296:2, AR286:2, AR300:2, AR309:2, AR291:2, AR171:2, AR212:2, AR060:2, AR274:2, AR169:2, AR246:2, AR033:2, AR229:2, AR175:2, AR223:2, AR181:2, AR294:2, AR226:1, AR247:1, AR232:1, AR275:1, AR217:1, AR089:1, AR180:1, AR240:1, AR192:1, AR210:1, AR263:1, AR185:1, AR164:1, AR166:1, AR258:1, AR201:1, AR257:1, AR104:1, AR163:1, AR177:1, AR243:1 L0740:25, L0766:5, L0655:4, H0650:2, H0657:2, H0656:2, H0402:2, H0581:2, L0761:2, L0794:2, H0306:1, S0408:1, H0318:1, H0046:1, H0266:1, S0038:1, H0429:1, H0560:1, S0344:1, L0789:1, S0053:1, H0689:1, H0134:1, L0779:1, L0777:1 and H0445:1.
	HRGBL78	904040	486	
	HRGBL78	904621	487	
	HRGBL78	863802	488	
263	HROAJ03	567005	273	AR264:13, AR309:13, AR308:10, AR312:10, AR272:10, AR269:10, AR180:9, AR183:9, AR291:8, AR263:8, AR270:8, AR261:8, AR165:8, AR173:8, AR268:8, AR290:8, AR164:8, AR176:7, AR210:7, AR166:7, AR311:7, AR181:7, AR179:7, AR313:7, AR177:7, AR295:7, AR199:7, AR182:7, AR216:6, AR188:6, AR178:6, AR175:6, AR161:6, AR162:6, AR285:6, AR267:6, AR163:6, AR236:6, AR196:6, AR297:6, AR235:6, AR190:6, AR266:6, AR217:6, AR228:6, AR247:6, AR255:6, AR231:5, AR174:5, AR096:5, AR189:5, AR293:5, AR229:5, AR296:5, AR225:5, AR221:5, AR211:5, AR240:5, AR218:5, AR288:5, AR219:5, AR257:5, AR053:5, AR238:5, AR224:5, AR239:5, AR170:4, AR262:4, AR233:4, AR287:4, AR215:4, AR282:4, AR289:4, AR237:4, AR300:4, AR168:4, AR171:4, AR200:4, AR222:4, AR316:4, AR214:4, AR256:4, AR294:4, AR191:4, AR185:4, AR172:4, AR169:4, AR286:4, AR252:4, AR212:3, AR234:3, AR213:3, AR061:3, AR299:3, AR230:3, AR203:3, AR226:3, AR223:3, AR060:3, AR274:3, AR275:3, AR232:3, AR055:3, AR258:3, AR193:3, AR089:3, AR260:3, AR277:3, AR227:2, AR033:2, AR207:2, AR243:2, AR253:2, AR271:2, AR039:2, AR246:2, AR192:2, AR205:2, AR250:2, AR245:2, AR283:1, AR197:1, AR104:1, AR195:1, AR201:1 H0646:2, L0783:2, L0751:2, H0222:1, L3645:1, H0409:1, H0559:1, H0590:1, H0581:1, L0471:1, H0622:1, H0316:1, H0623:1, L0788:1, H0689:1, S0328:1, S0390:1, L0777:1, L0731:1 and L0462:1.
264	HROAJ39	1181699	274	AR055:8, AR060:6, AR218:6, AR300:5, AR316:4, AR089:4, AR240:4, AR282:3, AR185:3, AR104:3, AR299:3, AR313:3, AR096:3, AR283:3, AR039:2, AR219:2, AR277:2 H0316:1, L3905:1, L0565:1, L0438:1, H0521:1, L0439:1 and L0594:1.
	HROAJ39	1114849	489	
	HROAJ39	1027712	490	
265	HROBD68	827306	275	AR196:23, AR161:12, AR162:12, AR163:11, AR313:11, AR242:9, AR165:8, AR164:8, AR166:8, AR191:8, AR089:8, AR275:8, AR096:7, AR181:7, AR175:7, AR053:7, AR299:6, AR173:6, AR264:6, AR060:6, AR258:5, AR236:5, AR257:5, AR198:5, AR312:5, AR177:5, AR263:5, AR185:5, AR180:5, AR274:5, AR293:5, AR174:5, AR179:5, AR200:5, AR270:5, AR225:5, AR250:5, AR269:5, AR178:5, AR300:5, AR282:5, AR195:5, AR199:5, AR247:5, AR309:5, AR188:4, AR316:4, AR203:4, AR183:4, AR189:4, AR238:4, AR287:4, AR285:4, AR294:4, AR308:4, AR104:4, AR240:4, AR226:4, AR261:4, AR182:4, AR311:4, AR229:4, AR277:4, AR271:4, AR295:4, AR207:4, AR255:4, AR262:4, AR176:4, AR235:4, AR268:4, AR291:4, AR297:4, AR213:3, AR233:3, AR231:3, AR296:3, AR286:3, AR288:3, AR212:3, AR290:3, AR234:3, AR237:3,

266	HSA TR82	531973	276	<p>AR169:3, AR266:3, AR219:3, AR272:3, AR190:3, AR254:3, AR260:3, AR267:3, AR193:3, AR230:3, AR239:3, AR216:3, AR228:2, AR211:2, AR218:2, AR201:2, AR171:2, AR246:2, AR227:2, AR205:2, AR232:2, AR033:2, AR055:2, AR289:2, AR283:2, AR172:1, AR204:1, AR214:1, AR215:1, AR256:1, AR061:1, AR168:1, AR197:1, AR170:1, AR192:1 L0509:9, L0766:4, L0515:2, L0783:2, S0342:1, S0114:1, S0218:1, H0589:1, H0645:1, H0592:1, H0250:1, H0581:1, H0057:1, H0252:1, H0328:1, H0674:1, H0598:1, H0090:1, H0634:1, H0488:1, H0625:1, S0426:1, L0506:1, L0667:1, L0499:1, L0803:1, L0493:1, L0514:1, L0511:1, L0809:1, S0052:1, S0428:1, H0683:1, S0152:1, S0136:1, L0748:1, L0751:1, L0759:1, L0599:1 and H0543:1.</p>
267	HSA TR82	531973	276	<p>AR282:4, AR161:3, AR165:3, AR264:3, AR162:3, AR163:3, AR166:3, AR313:3, AR199:3, AR266:3, AR182:3, AR269:3, AR096:3, AR270:2, AR173:2, AR175:2, AR255:2, AR196:2, AR089:2, AR178:2, AR277:2, AR274:2, AR293:2, AR213:2, AR262:2, AR225:2, AR216:2, AR060:2, AR195:2, AR201:2, AR177:2, AR300:2, AR309:2, AR207:2, AR179:2, AR257:2, AR247:2, AR229:2, AR240:2, AR212:2, AR104:2, AR233:2, AR193:2, AR296:2, AR217:2, AR283:2, AR191:1, AR039:1, AR237:1, AR316:1, AR275:1, AR172:1, AR258:1, AR288:1, AR285:1, AR185:1, AR239:1, AR297:1, AR291:1, AR170:1, AR224:1, AR176:1, AR235:1, AR294:1, AR287:1, AR308:1, AR214:1, AR180:1, AR267:1, AR236:1, AR299:1, AR203:1, AR033:1, AR252:1 S0114:2 and L0600:1.</p>
267	HSA VH65	545459	277	<p>AR089:10, AR240:9, AR060:9, AR055:9, AR313:9, AR277:8, AR185:7, AR300:6, AR282:6, AR299:6, AR104:6, AR316:5, AR218:5, AR219:5, AR283:4, AR096:4, AR039:4 S0114:2, H0686:1, L2255:1, L0769:1, L0644:1, L0662:1, L0774:1, L0666:1, H0659:1, L0750:1 and S0436:1.</p>
268	HSA WD74	460527	278	<p>AR039:35, AR313:32, AR096:24, AR089:22, AR299:17, AR300:16, AR104:13, AR185:13, AR277:13, AR316:13, AR060:13, AR173:12, AR165:12, AR166:12, AR240:11, AR164:11, AR218:11, AR162:11, AR161:11, AR163:10, AR229:10, AR178:9, AR242:9, AR175:9, AR262:9, AR247:9, AR183:9, AR258:8, AR275:8, AR055:8, AR257:8, AR180:7, AR293:7, AR282:7, AR181:7, AR196:7, AR204:7, AR312:7, AR219:7, AR193:7, AR191:6, AR238:6, AR176:6, AR198:6, AR269:6, AR235:6, AR199:6, AR179:6, AR270:6, AR233:6, AR182:6, AR297:6, AR234:6, AR254:6, AR177:6, AR296:6, AR174:6, AR236:5, AR203:5, AR226:5, AR283:5, AR266:5, AR285:5, AR268:5, AR245:5, AR255:5, AR188:5, AR309:5, AR267:5, AR053:5, AR287:5, AR294:5, AR213:5, AR274:5, AR286:5, AR200:5, AR231:4, AR308:4, AR033:4, AR288:4, AR189:4, AR237:4, AR260:4, AR261:4, AR291:4, AR201:4, AR172:4, AR243:4, AR295:4, AR228:4, AR222:4, AR290:4, AR271:4, AR212:4, AR264:4, AR272:3, AR252:3, AR169:3, AR230:3, AR239:3, AR205:3, AR253:3, AR227:3, AR197:3, AR289:3, AR225:3, AR207:3, AR190:3, AR217:2, AR214:2, AR061:2, AR216:2, AR256:2, AR232:2, AR263:2, AR195:2, AR223:2, AR221:2, AR246:2, AR311:1, AR192:1, AR168:1, AR210:1, AR211:1 H0068:3, S0114:2, L0534:2, L0740:2, H0717:1, S0134:1, S0442:1, S0354:1, S0476:1, H0333:1, H0009:1, H0560:1, L5565:1 and H0576:1.</p>
269	HSA WD74	371416	491	
269	HSA WZ41	580872	279	<p>AR313:82, AR039:58, AR173:49, AR096:43, AR196:40, AR247:40, AR162:40, AR299:40, AR165:39, AR258:38, AR161:37, AR242:37, AR300:37, AR236:37, AR089:37, AR164:37, AR163:36, AR166:35, AR240:35, AR180:33, AR199:32, AR229:32, AR264:31, AR175:31, AR185:31, AR257:29, AR179:29, AR178:29, AR312:28, AR262:28, AR183:27, AR293:27, AR234:26, AR174:26, AR193:26, AR177:26, AR316:24, AR182:24, AR218:24, AR285:24, AR191:23, AR270:23, AR181:23, AR277:23, AR269:23, AR219:23, AR296:23, AR226:23, AR192:22, AR275:22, AR033:22, AR233:22, AR200:21, AR189:21, AR204:21, AR176:21, AR238:20, AR104:20, AR297:19, AR203:19,</p>

270	HSAXA83	545051	280	AR261:19, AR287:19, AR294:19, AR268:18, AR060:18, AR053:18, AR286:18, AR255:17, AR212:17, AR260:17, AR288:16, AR290:16, AR188:16, AR309:16, AR231:15, AR197:15, AR237:15, AR230:15, AR245:15, AR295:15, AR308:15, AR267:14, AR195:14, AR266:14, AR282:14, AR201:14, AR213:14, AR235:14, AR254:14, AR243:14, AR228:13, AR263:13, AR271:13, AR256:13, AR239:13, AR198:12, AR227:12, AR291:12, AR205:11, AR272:10, AR190:10, AR055:9, AR250:9, AR252:9, AR207:9, AR289:8, AR211:8, AR283:7, AR232:7, AR246:7, AR311:6, AR253:5, AR061:5, AR210:5, AR171:4, AR221:3, AR274:2, AR168:2, AR169:1 H0305:4, H0589:2 and S0114:1.
				AR215:9, AR253:8, AR252:7, AR168:6, AR163:6, AR162:6, AR250:6, AR172:6, AR161:6, AR264:6, AR242:6, AR221:6, AR269:5, AR183:5, AR291:5, AR055:5, AR270:5, AR224:5, AR060:5, AR268:5, AR170:5, AR266:5, AR217:5, AR231:5, AR222:5, AR182:4, AR240:4, AR204:4, AR176:4, AR214:4, AR290:4, AR225:4, AR223:4, AR309:4, AR201:4, AR235:4, AR181:4, AR271:4, AR213:4, AR205:4, AR165:4, AR283:4, AR282:4, AR243:4, AR219:4, AR164:4, AR236:4, AR089:4, AR166:4, AR263:4, AR212:4, AR104:4, AR288:4, AR294:4, AR257:3, AR316:3, AR096:3, AR179:3, AR296:3, AR267:3, AR193:3, AR261:3, AR254:3, AR196:3, AR245:3, AR171:3, AR255:3, AR275:3, AR207:3, AR185:3, AR229:3, AR173:3, AR238:3, AR191:3, AR237:3, AR289:3, AR175:3, AR218:3, AR180:3, AR277:3, AR200:3, AR299:3, AR228:3, AR295:3, AR233:3, AR239:3, AR287:3, AR272:3, AR178:3, AR039:3, AR293:3, AR188:3, AR286:3, AR177:3, AR247:3, AR190:3, AR174:3, AR285:2, AR312:2, AR230:2, AR234:2, AR313:2, AR053:2, AR274:2, AR300:2, AR260:2, AR246:2, AR189:2, AR311:2, AR061:2, AR033:2, AR232:2, AR308:2, AR199:2, AR210:2, AR227:2, AR226:1, AR258:1, AR256:1, AR277:1, AR262:1, AR192:1 H0013:2, H0375:2, H0521:2, S0114:1, S0134:1, H0341:1, S0444:1, H0728:1, H0735:1, T0110:1, H0046:1, H0457:1, H0050:1, H0553:1, H0202:1, H0396:1, L0794:1, L0803:1, L0776:1, L5623:1, L0789:1, L0709:1, H0520:1, S0044:1, S0436:1, L0588:1 and H0653:1.
271	HSAYB43	604143	281	AR161:11, AR162:11, AR163:11, AR313:9, AR173:9, AR165:8, AR164:8, AR166:8, AR196:7, AR096:6, AR258:6, AR240:6, AR262:6, AR175:6, AR229:6, AR247:6, AR264:6, AR257:6, AR089:5, AR275:5, AR183:5, AR180:5, AR274:5, AR181:5, AR218:5, AR178:5, AR293:5, AR174:5, AR191:5, AR270:5, AR185:5, AR261:5, AR263:4, AR299:4, AR300:4, AR235:4, AR182:4, AR179:4, AR176:4, AR294:4, AR269:4, AR238:4, AR203:4, AR234:4, AR233:4, AR199:4, AR060:4, AR177:4, AR316:4, AR200:4, AR219:4, AR282:3, AR309:3, AR231:3, AR236:3, AR255:3, AR242:3, AR033:3, AR268:3, AR228:3, AR188:3, AR312:3, AR260:3, AR297:3, AR104:3, AR291:3, AR287:3, AR189:3, AR272:3, AR311:3, AR283:3, AR230:3, AR197:3, AR286:3, AR295:3, AR226:3, AR277:3, AR285:3, AR267:3, AR239:3, AR296:3, AR290:2, AR288:2, AR266:2, AR237:2, AR168:2, AR201:2, AR039:2, AR224:2, AR225:2, AR172:2, AR213:2, AR190:2, AR193:2, AR232:2, AR211:2, AR227:2, AR195:2, AR214:2, AR216:2, AR210:2, AR221:1, AR256:1, AR223:1, AR289:1, AR171:1, AR308:1, AR204:1, AR205:1, AR055:1, AR061:1, AR254:1 S0053:2, S0114:1, S0052:1 and S0216:1.
272	HSDEK49	1352253	282	AR290:45, AR268:37, AR240:23, AR267:22, AR269:16, AR270:14, AR234:10, AR055:10, AR238:10, AR184:9, AR292:8, AR291:8, AR179:8, AR183:8, AR284:7, AR177:7, AR182:6, AR060:6, AR299:5, AR295:5, AR244:5, AR293:5, AR175:5, AR096:4, AR185:3, AR229:3, AR249:3, AR296:3, AR316:3, AR231:3, AR298:3, AR289:3, AR104:3, AR237:3, AR286:2, AR089:2, AR226:2, AR204:2, AR266:2, AR282:2, AR294:2, AR227:2, AR313:2, AR247:2, AR300:2, AR233:2, AR248:2, AR259:2, AR275:2, AR256:2, AR039:1, AR031:1, AR277:1, AR263:1, AR061:1, AR258:1, AR232:1, AR271:1, AR283:1, AR310:1 H0031:7, L0439:7, L0754:7, L3388:6, L0731:6, S0002:5, H0580:4, H0575:3, H0309:3, L0438:3, H0555:3, L0758:3, S0360:2, L3649:2, H0553:2, S0344:2, S0426:2, L0775:2, S0330:2, L0747:2, L0779:2, S0260:2, L0599:2,

				L0603:2, H0739:1, H0170:1, S0116:1, S0354:1, S0444:1, L3645:1, H0270:1, S0280:1, H0590:1, H0581:1, H0251:1, H0014:1, H0355:1, H0030:1, H0644:1, H0674:1, H0090:1, H0063:1, S0142:1, L0770:1, L0769:1, L0651:1, L0776:1, L0659:1, L0519:1, L0664:1, H0682:1, L0749:1, L0752:1, S0031:1 and H0506:1.
	HSDEK49	625998	492	
273	HSDFJ26	834619	283	AR263:62, AR264:49, AR269:11, AR161:9, AR162:9, AR163:9, AR176:8, AR181:6, AR309:6, AR182:6, AR191:6, AR235:6, AR266:6, AR223:5, AR215:5, AR267:5, AR180:5, AR268:5, AR178:5, AR311:5, AR228:5, AR282:5, AR183:5, AR165:4, AR174:4, AR096:4, AR177:4, AR164:4, AR236:4, AR270:4, AR214:4, AR233:4, AR179:4, AR190:4, AR166:4, AR237:4, AR308:4, AR255:3, AR055:3, AR189:3, AR168:3, AR216:3, AR175:3, AR294:3, AR217:3, AR239:3, AR231:3, AR172:3, AR207:3, AR275:3, AR238:3, AR240:3, AR229:3, AR316:3, AR222:3, AR170:3, AR272:3, AR225:3, AR247:3, AR061:3, AR226:3, AR060:3, AR274:3, AR232:3, AR199:3, AR291:3, AR260:3, AR234:2, AR230:2, AR288:2, AR312:2, AR262:2, AR290:2, AR203:2, AR053:2, AR227:2, AR287:2, AR104:2, AR289:2, AR285:2, AR185:2, AR313:2, AR295:2, AR257:2, AR200:2, AR188:2, AR293:2, AR252:2, AR193:2, AR256:2, AR261:2, AR196:2, AR089:2, AR300:2, AR283:1, AR219:1, AR201:1, AR271:1, AR171:1, AR224:1, AR286:1, AR033:1, AR211:1, AR297:1, AR258:1, AR277:1 S0026:6, S0360:4, L0662:4, L0747:4, L0759:4, L0755:3, S0408:2, H0575:2, S0474:2, H0251:2, H0673:2, L0766:2, L0804:2, L0665:2, L0608:2, H0543:2, H0171:1, H0686:1, H0613:1, H0427:1, L0021:1, T0082:1, H0309:1, H0150:1, H0024:1, L0163:1, H0266:1, H0271:1, S0338:1, H0252:1, H0615:1, H0428:1, H0030:1, H0040:1, H0647:1, L0369:1, L0500:1, L0769:1, L0638:1, L0637:1, L0764:1, L0767:1, L0768:1, L0364:1, L0794:1, L0649:1, L0775:1, L0805:1, L0659:1, L0382:1, L0666:1, S0052:1, H0697:1, S0328:1, S0330:1, S0380:1, H0521:1, S0406:1, H0478:1, L0754:1, L0745:1, L0749:1, L0779:1, L0780:1, L0752:1, S0031:1, L0601:1, S0242:1 and H0542:1.
	HSDFJ26	836071	493	
274	HSDFJ26	460602	284	AR264:10, AR250:7, AR253:7, AR263:7, AR254:7, AR309:6, AR197:6, AR053:5, AR198:5, AR308:4, AR312:4, AR212:4, AR313:4, AR213:4, AR311:4, AR161:4, AR252:4, AR162:4, AR163:4, AR271:4, AR096:4, AR246:3, AR195:3, AR168:3, AR266:3, AR224:3, AR291:3, AR089:3, AR183:3, AR165:3, AR164:3, AR216:3, AR166:3, AR178:3, AR175:3, AR268:3, AR215:3, AR269:3, AR225:3, AR201:3, AR270:3, AR176:3, AR282:2, AR182:2, AR235:2, AR228:2, AR242:2, AR221:2, AR272:2, AR316:2, AR191:2, AR240:2, AR199:2, AR257:2, AR181:2, AR297:2, AR190:2, AR193:2, AR299:2, AR174:2, AR060:2, AR229:2, AR189:2, AR275:2, AR200:2, AR290:2, AR295:2, AR236:2, AR177:2, AR196:2, AR261:2, AR277:2, AR243:2, AR104:2, AR293:2, AR171:2, AR300:2, AR185:2, AR239:2, AR227:2, AR237:2, AR033:2, AR289:2, AR226:2, AR233:2, AR296:1, AR287:1, AR179:1, AR188:1, AR205:1, AR231:1, AR217:1, AR173:1, AR219:1, AR247:1, AR232:1, AR230:1, AR267:1, AR262:1, AR288:1, AR283:1, AR218:1, AR061:1, AR203:1, AR258:1 S0260:1
275	HSDSB09	1301498	285	AR060:10, AR089:9, AR055:7, AR104:7, AR313:5, AR039:4, AR218:4, AR299:4, AR184:4, AR096:4, AR182:4, AR219:3, AR294:3, AR185:3, AR214:3, AR197:3, AR091:3, AR212:3, AR251:3, AR284:3, AR283:3, AR282:3, AR222:3, AR269:3, AR286:3, AR298:2, AR266:2, AR052:2, AR262:2, AR249:2, AR311:2, AR292:2, AR309:2, AR295:2, AR233:2, AR236:2, AR296:2, AR268:2, AR267:2, AR253:2, AR270:2, AR255:2, AR183:2, AR285:2, AR165:2, AR177:2, AR228:2, AR289:2, AR061:2, AR186:2, AR300:2, AR168:2, AR033:2, AR239:2, AR235:1, AR231:1, AR215:1, AR277:1, AR225:1, AR290:1, AR274:1, AR293:1, AR163:1, AR247:1, AR310:1, AR217:1, AR226:1, AR238:1, AR240:1, AR265:1, AR237:1, AR264:1, AR224:1, AR229:1, AR053:1, AR172:1, AR271:1 L0803:14, L0774:4, L0770:2, H0409:1, H0331:1 and

					H0555:1.
				494	
276	HSDSB09	463645	545057	286	AR096:3, AR225:3, AR266:3, AR055:3, AR060:3, AR309:2, AR170:2, AR222:2, AR104:2, AR214:2, AR254:2, AR163:2, AR161:2, AR195:2, AR282:2, AR089:1, AR224:1, AR283:1, AR275:1, AR228:1, AR162:1, AR300:1, AR272:1, AR216:1, AR240:1, AR290:1, AR175:1, AR185:1, AR201:1, AR193:1, AR200:1, AR164:1, AR166:1, AR316:1, AR168:1, AR230:1, AR165:1, AR218:1, H0646:2, L0783:2, L0751:2, H0222:1, L3645:1, H0409:1, H0559:1, H0590:1, H0581:1, L0471:1, H0622:1, H0316:1, H0623:1, L0788:1, H0689:1, S0328:1, S0390:1, L0777:1, L0731:1 and L0462:1.
277	HSDZR57	651375		287	AR172:3, AR264:3, AR235:3, AR207:2, AR215:2, AR225:2, AR271:2, AR192:2, AR180:2, AR309:2, AR216:2, AR270:2, AR165:2, AR274:1, AR164:1, AR166:1, AR222:1, AR257:1, AR277:1, AR286:1, L0769:4, L0803:3, H0547:3, H0484:2, S0410:2, H0644:2, H0617:2, H0413:2, L0751:2, H0556:1, H0650:1, S0420:1, S0354:1, S0360:1, S0222:1, H0455:1, H0559:1, H0575:1, H0052:1, H0545:1, L0763:1, L0800:1, L0648:1, L0662:1, L0768:1, L0794:1, L0804:1, L0809:1, L0789:1, H0699:1, H0690:1, H0660:1, S0328:1, L0740:1, L0750:1 and H0422:1.
278	HSIDJ81	589447		288	AR313:41, AR039:35, AR096:26, AR173:25, AR299:21, AR258:20, AR180:20, AR185:19, AR089:18, AR262:18, AR161:18, AR162:18, AR179:18, AR269:17, AR240:17, AR300:17, AR175:17, AR163:17, AR257:17, AR165:17, AR191:17, AR229:17, AR196:16, AR164:16, AR247:16, AR316:16, AR166:15, AR218:15, AR183:15, AR277:15, AR178:14, AR181:14, AR199:14, AR182:13, AR234:13, AR270:13, AR293:13, AR236:13, AR174:13, AR233:12, AR200:12, AR238:12, AR268:11, AR189:11, AR260:11, AR285:11, AR060:11, AR219:11, AR297:11, AR294:10, AR104:10, AR203:10, AR226:10, AR188:10, AR287:10, AR255:10, AR296:10, AR176:10, AR177:10, AR267:10, AR282:9, AR230:9, AR275:9, AR290:8, AR264:8, AR231:8, AR261:8, AR237:8, AR242:8, AR190:8, AR192:8, AR288:7, AR274:7, AR286:7, AR055:7, AR291:7, AR228:7, AR239:7, AR235:7, AR033:7, AR295:6, AR227:6, AR263:6, AR266:6, AR197:5, AR211:5, AR308:5, AR053:5, AR256:5, AR250:5, AR232:4, AR210:4, AR272:4, AR213:4, AR283:4, AR271:4, AR289:4, AR312:4, AR252:4, AR193:4, AR212:3, AR223:3, AR246:3, AR311:3, AR225:3, AR061:3, AR169:3, AR205:3, AR198:3, AR170:2, AR215:2, AR201:2, AR207:2, AR243:2, AR309:2, AR224:2, AR171:2, AR168:2, AR217:2, AR216:2, AR172:2, AR195:1, H0036:1 and L0744:1.
279	HSKDA27	1352409		289	AR039:106, AR104:103, AR055:103, AR240:102, AR060:87, AR096:84, AR282:77, AR283:67, AR300:66, AR316:57, AR185:48, AR219:45, AR218:44, AR089:40, AR299:36, AR277:34, AR313:31, S0212:13, S0126:12, L0777:11, S0027:10, S0028:10, S0250:7, H0717:6, L0662:6, L0747:6, S0360:5, S0022:5, S0206:5, L0779:5, S0194:5, L0659:4, L0751:4, L0731:4, L0758:4, H0713:3, H0716:3, S0444:3, H0599:3, L0163:3, S0210:3, L0807:3, S0390:3, S0037:3, S3014:3, L0740:3, S0192:3, H0295:2, H0486:2, H0706:2, S0309:2, H0237:2, H0373:2, H0266:2, H0039:2, H0038:2, L0598:2, L3872:2, H0689:2, L0757:2, L0759:2, S0011:2, S0040:1, L2906:1, S0298:1, H0661:1, H0663:1, H0662:1, S0420:1, S0356:1, S0442:1, S0408:1, L2338:1, S0046:1, H0411:1, H0550:1, H0586:1, H0587:1, H0333:1, T0040:1, T0060:1, H0427:1, H0251:1, H0150:1, H0050:1, H0014:1, H0188:1, S0214:1, H0428:1, H0622:1, T0006:1, H0553:1, H0628:1, H0124:1, H0087:1, H0551:1, T0067:1, H0413:1, T0069:1, S0440:1, L0762:1, L0763:1, L0770:1, L0769:1, L0637:1, L0773:1, L0768:1, L0794:1, L0386:1, L0774:1, L0775:1, L0805:1, L0776:1, L0655:1, L0783:1, L0519:1, L0367:1, L0790:1, L0666:1, L0663:1, L2263:1, L0565:1, S0148:1, H0726:1, L0438:1, H0519:1, S0152:1, S0454:1, H0521:1, H0696:1, S3012:1, S0124:1, L0439:1, L0750:1, H0595:1, S0436:1, H0668:1, H0667:1, S0242:1, S0276:1

					and L3603:1.
	HSKDA27	1074734	495		
	HSKDA27	872570	496		
280	HSKGN81	676075	290		AR252:303, AR263:240, AR211:227, AR272:220, AR210:215, AR216:184, AR253:180, AR250:170, AR264:169, AR242:163, AR172:160, AR245:160, AR274:155, AR254:148, AR247:147, AR313:142, AR165:141, AR053:139, AR225:136, AR195:131, AR215:129, AR221:129, AR308:124, AR197:123, AR214:123, AR212:122, AR170:119, AR166:118, AR224:118, AR213:117, AR171:115, AR205:113, AR312:113, AR162:109, AR217:108, AR309:106, AR199:106, AR271:105, AR164:100, AR198:93, AR168:92, AR169:92, AR188:92, AR207:91, AR275:91, AR173:91, AR256:90, AR291:89, AR240:89, AR163:86, AR296:82, AR246:82, AR222:81, AR311:78, AR290:78, AR223:77, AR282:76, AR161:75, AR297:75, AR289:75, AR196:74, AR261:73, AR243:71, AR178:70, AR295:70, AR260:69, AR175:67, AR183:66, AR200:65, AR174:63, AR285:63, AR201:62, AR096:61, AR299:60, AR179:59, AR189:59, AR288:56, AR180:56, AR033:55, AR258:55, AR266:55, AR300:55, AR267:54, AR181:51, AR192:51, AR262:51, AR293:50, AR268:50, AR255:49, AR204:48, AR270:47, AR316:47, AR039:46, AR190:43, AR238:43, AR235:43, AR182:42, AR089:41, AR229:40, AR236:39, AR269:39, AR277:38, AR232:38, AR061:38, AR219:37, AR218:37, AR257:37, AR286:37, AR185:37, AR203:36, AR287:35, AR283:35, AR191:35, AR193:34, AR230:34, AR231:33, AR177:32, AR239:30, AR176:30, AR237:29, AR234:27, AR104:27, AR226:26, AR294:25, AR060:24, AR055:18, AR233:17, AR227:14, AR228:10, H0556:14, L0666:5, L0438:5, L0751:5, H0266:4, L0665:4, L0777:4, H0161:3, H0645:3, H0599:3, H0594:3, L0763:3, H0436:3, L0747:3, L0758:3, L0759:3, H0423:3, H0265:2, H0141:2, S0045:2, S0476:2, H0575:2, H0421:2, T0041:2, H0529:2, L0770:2, L0771:2, L0657:2, L5623:2, L0664:2, H0670:2, H0518:2, S0044:2, L0749:2, L0757:2, L0588:2, L0599:2, H0585:1, L3643:1, H0717:1, H0716:1, H0740:1, H0583:1, S0116:1, H0341:1, H0254:1, H0255:1, H0306:1, H0402:1, S0360:1, S0408:1, S0046:1, S0132:1, H0619:1, H0549:1, H0550:1, S0222:1, H0614:1, H0392:1, H0455:1, H0613:1, H0592:1, H0586:1, H0587:1, S0005:1, H0497:1, H0492:1, H0486:1, H0250:1, T0071:1, H0581:1, H0052:1, H0309:1, H0545:1, H0050:1, L0471:1, H0024:1, L0183:1, H0267:1, H0687:1, H0286:1, H0328:1, L0483:1, L0053:1, H0628:1, H0169:1, H0674:1, S0366:1, H0038:1, H0634:1, H0264:1, H0488:1, H0268:1, H0100:1, T0042:1, H0494:1, S0014:1, H0625:1, H0509:1, H0641:1, S0002:1, L0637:1, L3905:1, L0646:1, L0773:1, L0662:1, L0768:1, L0776:1, L0659:1, L0783:1, S0374:1, H0783:1, H0593:1, S0126:1, H0659:1, H0658:1, H0648:1, H0672:1, S3012:1, S0028:1, L0754:1, L0750:1, L0731:1, S0260:1, S0436:1, L0596:1, L0581:1, S0242:1, S0194:1, H0543:1, S0446:1, H0506:1 and H0008:1.
	HSKGN81	409905	497		
281	HSLCQ82	1352226	291		AR055:7, AR060:6, AR104:6, AR089:6, AR283:6, AR096:6, AR161:5, AR162:5, AR282:5, AR163:5, AR039:5, AR218:5, AR316:5, AR219:5, AR269:4, AR277:4, AR176:4, AR309:4, AR300:4, AR164:4, AR165:4, AR275:4, AR240:4, AR266:4, AR299:4, AR274:4, AR235:4, AR272:4, AR166:4, AR183:4, AR173:3, AR177:3, AR250:3, AR185:3, AR225:3, AR214:3, AR178:3, AR257:3, AR267:3, AR236:3, AR182:3, AR270:3, AR313:3, AR181:3, AR221:3, AR175:3, AR191:3, AR239:3, AR291:3, AR190:3, AR228:3, AR229:3, AR189:3, AR180:3, AR296:3, AR255:3, AR171:3, AR172:3, AR287:3, AR243:3, AR233:3, AR268:2, AR261:2, AR262:2, AR238:2, AR196:2, AR237:2, AR231:2, AR264:2, AR210:2, AR293:2, AR224:2, AR288:2, AR289:2, AR290:2, AR295:2, AR174:2, AR230:2, AR179:2, AR188:2, AR200:2, AR285:2, AR246:2, AR294:2,

				AR061:2, AR286:2, AR263:2, AR247:2, AR053:2, AR232:2, AR203:2, AR271:2, AR227:2, AR226:2, AR311:2, AR168:2, AR033:2, AR216:2, AR234:2, AR211:1, AR312:1, AR260:1, AR297:1, AR222:1, AR205:1, AR258:1, AR217:1, L0744:2, L0751:2, L0777:2, H0580:1, H0013:1, S0036:1, L0659:1, S0028:1, L0779:1, L0780:1 and L0596:1.
	HSLCQ82	589526	498	
282	HSNAD72	467397	292	AR170:5, AR169:4, AR180:4, AR313:4, AR221:3, AR178:3, AR223:3, AR245:3, AR192:3, AR235:2, AR204:2, AR182:2, AR299:2, AR216:2, AR291:2, AR274:2, AR171:2, AR214:2, AR217:2, AR193:2, AR266:1, AR308:1, AR293:1, AR257:1, AR247:1, AR232:1, AR225:1, AR283:1, AR210:1, AR282:1 H0163:2
283	HSNMC45	1352201	293	AR242:8, AR205:6, AR238:6, AR170:6, AR207:5, AR201:4, AR215:3, AR204:3, AR096:3, AR296:3, AR172:2, AR233:2, AR089:2, AR182:2, AR055:2, AR257:2, AR299:1, AR104:1, AR272:1, AR210:1, AR185:1, AR297:1 H0163:1
	HSNMC45	545060	499	
284	HSQFP66	460537	294	AR197:9, AR271:8, AR176:7, AR162:7, AR161:7, AR201:7, AR163:7, AR192:6, AR204:6, AR207:6, AR266:6, AR267:6, AR228:6, AR229:6, AR169:6, AR177:6, AR237:6, AR198:6, AR233:5, AR245:5, AR181:5, AR193:5, AR250:5, AR243:5, AR053:5, AR269:5, AR239:5, AR309:5, AR089:5, AR180:5, AR264:5, AR165:5, AR214:5, AR182:4, AR060:4, AR224:4, AR061:4, AR268:4, AR261:4, AR178:4, AR166:4, AR230:4, AR257:4, AR226:4, AR183:4, AR164:4, AR270:4, AR275:4, AR231:4, AR236:4, AR096:4, AR179:4, AR246:4, AR289:4, AR039:4, AR055:4, AR293:4, AR196:4, AR175:4, AR316:4, AR272:4, AR234:4, AR168:4, AR225:4, AR286:4, AR247:4, AR312:4, AR212:4, AR255:4, AR296:4, AR242:4, AR294:3, AR300:3, AR290:3, AR185:3, AR205:3, AR291:3, AR238:3, AR262:3, AR227:3, AR295:3, AR287:3, AR288:3, AR174:3, AR297:3, AR216:3, AR311:3, AR277:3, AR170:3, AR191:3, AR285:3, AR188:3, AR213:3, AR215:3, AR313:3, AR217:3, AR308:3, AR232:3, AR203:3, AR195:3, AR282:3, AR173:2, AR033:2, AR172:2, AR189:2, AR171:2, AR274:2, AR223:2, AR190:2, AR299:2, AR104:2, AR211:2, AR258:2, AR200:2, AR283:2, AR263:2, AR256:2, AR221:2, AR199:2, AR240:2, AR222:2, AR210:2, AR253:1, AR254:1, AR260:1, AR219:1, AR218:1 S0007:1, H0555:1 and S0026:1.
285	HSRFZ57	892171	295	AR225:4, AR309:4, AR060:4, AR192:3, AR235:3, AR162:3, AR055:3, AR161:3, AR163:3, AR215:3, AR275:3, AR169:3, AR254:3, AR217:3, AR233:2, AR170:2, AR177:2, AR181:2, AR236:2, AR255:2, AR228:2, AR180:2, AR289:2, AR237:2, AR243:2, AR239:2, AR166:2, AR285:2, AR266:2, AR272:2, AR287:2, AR222:2, AR274:2, AR176:2, AR061:2, AR271:2, AR223:2, AR247:2, AR214:1, AR224:1, AR240:1, AR172:1, AR213:1, AR283:1, AR262:1, AR295:1, AR033:1, AR089:1, AR174:1, AR229:1, AR216:1, AR234:1, AR238:1, AR231:1, AR316:1, AR218:1, AR300:1, AR293:1 S0022:4
286	HSSFT08	589978	296	AR196:17, AR176:9, AR313:9, AR162:7, AR161:7, AR199:7, AR163:6, AR228:6, AR267:6, AR266:6, AR055:6, AR165:6, AR180:6, AR053:6, AR164:6, AR225:5, AR166:5, AR264:5, AR269:5, AR268:5, AR238:5, AR300:5, AR181:5, AR270:5, AR242:5, AR183:5, AR060:5, AR236:5, AR233:5, AR193:5, AR263:4, AR182:4, AR178:4, AR290:4, AR089:4, AR229:4, AR312:4, AR257:4, AR239:4, AR240:4, AR299:4, AR221:4, AR235:4, AR231:4, AR096:4, AR189:4, AR177:4, AR039:4, AR215:4, AR309:4, AR261:4, AR237:4, AR191:4, AR226:4, AR247:4, AR289:4, AR175:4, AR190:3, AR188:3, AR316:3, AR271:3, AR293:3, AR104:3, AR282:3, AR291:3, AR061:3, AR272:3, AR169:3, AR179:3, AR274:3, AR185:3, AR227:3, AR234:3, AR230:3, AR174:3, AR296:3, AR198:3, AR262:3, AR168:3, AR255:3, AR287:3, AR171:3, AR200:3, AR214:2, AR283:2, AR288:2, AR207:2, AR203:2, AR216:2, AR285:2, AR286:2, AR232:2, AR204:2, AR295:2, AR250:2, AR275:2, AR297:2, AR308:2, AR201:2, AR224:2, AR277:2, AR033:2, AR212:2, AR246:1, AR173:1, AR205:1, AR218:1, AR222:1, AR223:1, AR195:1, AR256:1, AR258:1, AR311:1, AR260:1 H0135:2, L0518:1 and L0758:1.

287	HSSGD52	1352343	297	AR225:17, AR223:16, AR215:16, AR214:14, AR224:13, AR170:13, AR171:12, AR168:12, AR172:12, AR221:12, AR246:11, AR222:11, AR216:11, AR269:11, AR169:11, AR171:10, AR183:9, AR268:9, AR165:8, AR290:8, AR161:8, AR164:8, AR162:8, AR270:8, AR163:8, AR166:8, AR291:7, AR244:7, AR298:7, AR267:7, AR182:7, AR180:7, AR266:7, AR176:7, AR186:7, AR173:7, AR052:6, AR231:6, AR271:6, AR207:6, AR292:6, AR250:6, AR228:6, AR282:6, AR238:6, AR206:6, AR061:6, AR273:6, AR296:6, AR275:6, AR243:6, AR181:6, AR247:5, AR289:5, AR285:5, AR200:5, AR240:5, AR210:5, AR053:5, AR249:5, AR314:5, AR241:5, AR202:5, AR218:5, AR219:5, AR235:5, AR194:5, AR178:5, AR197:5, AR089:5, AR189:5, AR177:5, AR211:5, AR239:5, AR175:5, AR237:5, AR198:5, AR293:5, AR201:5, AR190:5, AR188:5, AR295:5, AR251:5, AR255:5, AR245:4, AR280:4, AR254:4, AR185:4, AR196:4, AR060:4, AR272:4, AR315:4, AR213:4, AR312:4, AR300:4, AR193:4, AR309:4, AR316:4, AR257:4, AR179:4, AR232:4, AR311:4, AR234:4, AR233:4, AR236:4, AR264:4, AR286:4, AR299:4, AR294:4, AR204:4, AR033:4, AR229:4, AR039:4, AR226:4, AR191:4, AR205:4, AR184:3, AR288:3, AR274:3, AR096:3, AR261:3, AR287:3, AR203:3, AR297:3, AR284:3, AR174:3, AR212:3, AR277:3, AR055:3, AR313:3, AR192:3, AR104:3, AR195:3, AR265:3, AR281:3, AR230:3, AR263:3, AR262:3, AR283:3, AR256:2, AR199:2, AR227:2, AR308:2, AR310:2, AR259:2, AR253:2, AR258:2, AR260:2, AR242:2, L0771:6, L0743:6, S0002:5, L0770:5, L0803:5, L0805:5, L0659:5, L0666:5, L0751:5, H0585:4, L0809:4, L0439:4, L0754:4, L0758:4, H0586:3, H0013:3, H0551:3, S0426:3, L0769:3, L0664:3, L0665:3, L0779:3, L0780:3, L0752:3, L0757:3, H0265:2, S0376:2, L2799:2, S0278:2, H0392:2, H0409:2, L3816:2, H0644:2, H0135:2, H0494:2, S0142:2, L0773:2, L0789:2, L0790:2, L0663:2, H0519:2, H0658:2, H0670:2, H0521:2, L0744:2, L0740:2, L0749:2, L0731:2, S0276:2, L3618:2, H0624:1, H0556:1, H0141:1, H0222:1, S0342:1, H0295:1, T0049:1, L2910:1, S0212:1, S0418:1, S0442:1, S0358:1, S0444:1, H0580:1, S0007:1, S0045:1, S0476:1, H0771:1, L3104:1, L0717:1, H0549:1, H0370:1, H0486:1, L2504:1, L2570:1, H0250:1, S0010:1, S0346:1, H0581:1, S0049:1, H0263:1, H0046:1, H0009:1, H0123:1, H0266:1, H0687:1, T0023:1, L0483:1, H0030:1, S0366:1, H0038:1, H0634:1, T0067:1, H0413:1, H0334:1, L0065:1, S0440:1, S0144:1, H0773:1, L0763:1, L3905:1, L0761:1, L0372:1, L0646:1, L0800:1, L0643:1, L0764:1, L0662:1, L0794:1, L0804:1, L0774:1, L0775:1, L0806:1, L0776:1, L0655:1, L0527:1, L0782:1, L0791:1, L0793:1, S0052:1, L2257:1, L2259:1, L2654:1, L0565:1, S0148:1, H0593:1, S0126:1, H0682:1, H0684:1, H0435:1, S0328:1, S0380:1, H0710:1, L3834:1, H0696:1, S0044:1, S0146:1, S0392:1, H0627:1, L0747:1, L0750:1, L0777:1, L0759:1, S0434:1, S0026:1, H0665:1, H0136:1 and H0542:1.
	HSSGD52	845666	500	
288	HSSGG82	618535	298	AR285:24, AR295:17, AR291:17, AR287:16, AR296:16, AR261:14, AR236:13, AR262:13, AR263:12, AR235:12, AR260:11, AR294:10, AR253:10, AR288:10, AR293:9, AR264:9, AR311:9, AR257:8, AR309:8, AR191:8, AR189:8, AR308:8, AR254:7, AR258:7, AR161:7, AR162:7, AR312:7, AR213:7, AR163:7, AR255:7, AR218:7, AR246:6, AR250:6, AR175:6, AR286:6, AR174:6, AR212:6, AR190:6, AR245:6, AR060:6, AR096:6, AR188:5, AR197:5, AR252:5, AR313:5, AR269:5, AR196:5, AR165:5, AR274:5, AR256:5, AR282:5, AR219:5, AR316:5, AR272:5, AR089:5, AR164:5, AR177:5, AR270:5, AR166:5, AR199:5, AR178:5, AR173:5, AR289:5, AR182:4, AR195:4, AR271:4, AR243:4, AR171:4, AR266:4, AR183:4, AR231:4, AR181:4, AR176:4, AR185:4, AR275:4, AR240:4, AR180:4, AR179:4, AR238:3, AR192:3, AR225:3, AR268:3, AR104:3, AR205:3, AR201:3, AR193:3, AR169:3, AR237:3, AR290:3, AR033:3, AR226:3, AR229:3, AR200:3, AR239:3, AR247:3, AR198:3, AR277:2, AR232:2, AR267:2, AR204:2, AR211:2, AR234:2, AR299:2, AR283:2, AR300:2, AR210:2, AR207:2, AR203:2, AR053:2, AR228:2, AR214:2, AR168:2, AR222:2, AR221:2,

289	HSUBW09	413246		<p>AR224:2, AR227:2, AR061:2, AR216:1, AR230:1, AR215:1</p> <p>AR186:66, AR202:60, AR259:59, AR206:59, AR292:58, AR061:56, AR052:56, AR283:51, AR227:49, AR251:49, AR244:48, AR249:47, AR281:45, AR310:44, AR280:44, AR033:43, AR055:42, AR194:42, AR192:41, AR241:41, AR273:40, AR300:40, AR314:38, AR185:38, AR248:38, AR315:37, AR104:36, AR232:36, AR299:35, AR233:34, AR229:34, AR237:34, AR275:34, AR184:33, AR060:32, AR265:31, AR039:31, AR177:29, AR198:28, AR053:28, AR294:28, AR282:27, AR243:26, AR256:26, AR309:25, AR313:25, AR231:25, AR246:25, AR295:25, AR298:24, AR089:24, AR219:24, AR096:24, AR274:24, AR312:23, AR204:23, AR293:22, AR284:22, AR267:21, AR205:21, AR316:21, AR271:21, AR247:20, AR226:20, AR238:19, AR213:19, AR175:19, AR234:18, AR218:17, AR253:16, AR289:16, AR277:14, AR258:14, AR179:13, AR266:12, AR286:12, AR263:12, AR285:12, AR296:12, AR183:11, AR291:11, AR270:10, AR240:9, AR182:9, AR268:8, AR269:8, AR290:8, AR163:5, AR287:4, AR176:3, AR250:3, AR215:3, AR225:2, AR201:2, AR172:2, AR224:2, AR221:2, AR272:2, AR264:2, AR214:1, AR165:1, AR195:1, AR193:1, AR257:1, AR216:1, L0766:5, L0749:3, S0134:2, L0770:2, L0794:2, L0809:2, L0790:2, H0556:1, H0735:1, L0622:1, H0457:1, H0561:1, L0662:1, L0804:1, L5622:1, H0436:1, L0779:1, L0731:1, L0758:1, H0136:1 and H0506:1.</p>
290	HSVBU91	596868	300	<p>AR215:6, AR207:5, AR162:4, AR161:4, AR163:4, AR309:4, AR271:4, AR266:4, AR165:4, AR176:4, AR164:4, AR272:3, AR039:3, AR192:3, AR213:3, AR253:3, AR166:3, AR264:3, AR089:3, AR282:3, AR204:3, AR235:3, AR205:3, AR313:3, AR053:3, AR201:2, AR224:2, AR178:2, AR275:2, AR181:2, AR267:2, AR182:2, AR269:2, AR277:2, AR104:2, AR286:2, AR246:2, AR287:2, AR289:2, AR033:2, AR243:2, AR237:2, AR230:2, AR223:2, AR268:2, AR293:2, AR180:2, AR060:2, AR175:2, AR198:2, AR229:2, AR177:2, AR270:2, AR233:2, AR183:2, AR228:2, AR261:2, AR239:2, AR316:2, AR285:2, AR179:2, AR232:1, AR231:1, AR312:1, AR061:1, AR288:1, AR257:1, AR096:1, AR291:1, AR225:1, AR226:1, AR294:1, AR295:1, AR185:1, AR311:1, AR227:1, AR234:1, AR174:1, AR203:1, AR297:1, AR173:1, AR191:1, AR247:1, AR308:1, AR238:1, AR216:1, AR255:1, AR170:1 H0309:1</p>
291	HSYAV50	847358	301	<p>AR268:5, AR182:5, AR270:4, AR183:4, AR267:4, AR290:4, AR269:4, AR247:3, AR291:3, AR289:3, AR284:3, AR184:3, AR175:3, AR282:3, AR234:3, AR296:3, AR312:2, AR232:2, AR177:2, AR292:2, AR238:2, AR294:2, AR266:2, AR298:2, AR053:2, AR229:2, AR227:2, AR286:2, AR313:2, AR285:2, AR231:2, AR061:2, AR202:2, AR179:1, AR240:1, AR033:1, AR310:1, AR277:1, AR186:1, AR213:1, AR293:1, AR274:1, AR226:1, AR315:1, AR052:1, AR309:1, AR233:1, AR295:1, AR299:1, AR089:1 L0659:9, L0803:6, L0794:5, L0750:4, S0212:3, L0809:3, L0665:3, L0751:3, L0759:3, H0717:2, S0298:2, H0402:2, H0392:2, H0545:2, S0250:2, H0551:2, L0768:2, L0666:2, L2654:2, L0757:2, H0667:2, H0170:1, H0713:1, S0420:1, S0444:1, H0637:1, H0592:1, L0021:1, H0575:1, H0251:1, H0544:1, H0041:1, H0014:1, H0292:1, H0553:1, L0143:1, H0628:1, H0124:1, H0616:1, T0067:1, H0509:1, L0637:1, L0800:1, L0662:1, L0774:1, L0653:1, L0654:1, L0807:1, L0657:1, L0647:1, L2261:1, H0682:1, H0648:1, H0555:1, S0028:1, L0747:1 and L0749:1.</p>
292	HTAEE28	1018291	302	<p>AR170:5, AR169:4, AR221:3, AR250:3, AR217:3, AR242:2, AR263:2, AR171:2, AR193:2, AR245:2, AR201:2, AR172:2, AR183:2, AR300:2, AR216:1, AR267:1, AR309:1, AR257:1, AR269:1, AR224:1, AR168:1, AR161:1, AR215:1, AR311:1, H0250:3, H0069:2, L0771:2, S0404:2, H0650:1, H0656:1, H0486:1, H0013:1, H0318:1, S0422:1, L0644:1, L0768:1, L0794:1, L0804:1, L0655:1, L0789:1, L0664:1, H0436:1 and L0758:1.</p>
	HTAEE28	882919	501	
	HTAEE28	864120	502	

293	HTECC05	1352365	303	<p>AR176:5, AR169:3, AR224:3, AR180:3, AR291:3, AR225:3, AR238:3, AR267:3, AR261:2, AR245:2, AR289:2, AR270:2, AR257:2, AR175:2, AR269:2, AR168:2, AR181:2, AR228:2, AR243:2, AR309:2, AR285:2, AR295:2, AR217:2, AR230:2, AR293:2, AR239:2, AR171:2, AR177:2, AR294:2, AR236:2, AR313:1, AR296:1, AR231:1, AR290:1, AR190:1, AR227:1, AR179:1, AR246:1, AR312:1, AR287:1, AR247:1, AR271:1, AR266:1, AR178:1, AR250:1, AR061:1, AR182:1, AR268:1, AR233:1, AR196:1, AR262:1, AR234:1, AR272:1, AR162:1, AR277:1, AR096:1 H0617:10, S0410:8, L0758:8, L0769:7, H0038:6, L0439:6, L0750:6, L0752:6, S0360:5, L0775:5, S0406:5, H0150:4, L0157:4, H0620:4, H0087:4, S0440:4, S0344:4, L0763:4, S0328:4, L0747:4, H0224:3, H0484:3, H0402:3, S0049:3, H0708:3, L0773:3, L0805:3, L0809:3, L0519:3, H0670:3, L0748:3, L0731:3, L0757:3, L0581:3, H0295:2, H0341:2, S0444:2, S0222:2, L0622:2, H0253:2, H0309:2, T0115:2, H0544:2, H0545:2, H0081:2, H0012:2, H0673:2, S0036:2, H0616:2, L0770:2, L0774:2, L0518:2, H0725:2, S0374:2, H0696:2, L0588:2, H0543:2, L0615:1, H0160:1, H0225:1, H0713:1, S0624:1, S0430:1, H0656:1, S0116:1, S0212:1, H0483:1, H0306:1, H0638:1, H0125:1, S0420:1, S0358:1, S0408:1, H0637:1, S0476:1, H0640:1, H0411:1, S0278:1, H0441:1, H0461:1, H0298:1, H0333:1, L0623:1, H0486:1, H0427:1, H0156:1, H0599:1, T0082:1, T0048:1, H0318:1, H0581:1, H0196:1, H0597:1, L0738:1, H0530:1, H0242:1, H0024:1, H0373:1, L0163:1, H0275:1, H0188:1, H0284:1, S0003:1, H0428:1, H0213:1, H0405:1, H0181:1, H0182:1, H0606:1, L0055:1, H0163:1, H0063:1, T0067:1, H0100:1, H0560:1, H0561:1, H0647:1, S0142:1, L0598:1, L3904:1, L0761:1, L0772:1, L0764:1, L0767:1, L0768:1, L0766:1, L0649:1, L0803:1, L0375:1, L0806:1, L0776:1, L0517:1, L0526:1, L0783:1, L0789:1, H0144:1, L0438:1, H0689:1, H0690:1, H0682:1, H0683:1, H0435:1, H0659:1, H0648:1, H0521:1, H0522:1, S0314:1, S0027:1, L0755:1, L0759:1, H0445:1, H0343:1, H0595:1, L0608:1, H0136:1, S0276:1, H0542:1, L0600:1 and H0352:1.</p>
	HTECC05	877448	503	
	HTECC05	666743	504	
294	HTEEB42	206980	304	<p>AR174:12, AR191:12, AR190:11, AR244:11, AR181:11, AR291:10, AR186:10, AR180:10, AR175:10, AR192:10, AR189:9, AR176:9, AR240:9, AR269:9, AR241:9, AR178:9, AR270:9, AR177:8, AR266:8, AR268:8, AR183:8, AR273:8, AR274:8, AR165:8, AR247:7, AR164:7, AR198:7, AR184:7, AR166:7, AR162:7, AR202:7, AR161:7, AR163:7, AR246:7, AR245:6, AR197:6, AR289:6, AR173:6, AR201:6, AR267:6, AR182:6, AR271:6, AR052:6, AR206:6, AR309:6, AR185:6, AR188:6, AR275:6, AR263:6, AR251:5, AR236:5, AR284:5, AR194:5, AR295:5, AR255:5, AR235:5, AR277:5, AR299:5, AR179:5, AR055:5, AR290:5, AR104:5, AR033:5, AR193:5, AR228:4, AR230:4, AR204:4, AR196:4, AR170:4, AR285:4, AR256:4, AR172:4, AR272:4, AR257:4, AR262:4, AR205:4, AR233:4, AR308:4, AR261:4, AR195:4, AR252:4, AR300:4, AR223:4, AR089:4, AR287:4, AR238:4, AR243:4, AR214:4, AR296:4, AR237:4, AR265:4, AR250:4, AR239:4, AR288:4, AR298:4, AR224:3, AR294:3, AR229:3, AR248:3, AR316:3, AR207:3, AR286:3, AR312:3, AR297:3, AR264:3, AR199:3, AR061:3, AR293:3, AR053:3, AR227:3, AR060:3, AR311:3, AR211:3, AR249:3, AR225:3, AR292:3, AR219:3, AR258:3, AR039:3, AR215:3, AR313:3, AR282:3, AR226:3, AR260:3, AR231:2, AR242:2, AR203:2, AR171:2, AR168:2, AR210:2, AR200:2, AR259:2, AR234:2, AR096:2, AR232:2, AR169:2, AR222:2, AR254:2, AR218:2, AR221:2, AR253:2, AR283:2, AR213:1, AR216:1, AR217:1, AR310:1 L0794:4, H0624:2, H0038:2, L0375:2, S0330:2, L0750:2, L0779:2, H0031:1, H0644:1, H0124:1, H0591:1, H0616:1, H0264:1, H0623:1, L0770:1, L0637:1, L0805:1, L0663:1, L0749:1, L0777:1, L0780:1 and L0599:1.</p>
	HTECC05	877448	503	
	HTECC05	666743	504	
294	HTEEB42	206980	304	<p>AR174:12, AR191:12, AR190:11, AR244:11, AR181:11, AR291:10, AR186:10, AR180:10, AR175:10, AR192:10, AR189:9, AR176:9, AR240:9, AR269:9, AR241:9, AR178:9, AR270:9, AR177:8, AR266:8, AR268:8, AR183:8, AR273:8, AR274:8, AR165:8, AR247:7, AR164:7, AR198:7, AR184:7, AR166:7, AR162:7, AR202:7, AR161:7, AR163:7, AR246:7, AR245:6, AR197:6, AR289:6, AR173:6, AR201:6, AR267:6, AR182:6, AR271:6, AR052:6, AR206:6, AR309:6, AR185:6, AR188:6, AR275:6, AR263:6, AR251:5, AR236:5, AR284:5, AR194:5, AR295:5, AR255:5, AR235:5, AR277:5, AR299:5, AR179:5, AR055:5, AR290:5, AR104:5, AR033:5, AR193:5, AR228:4, AR230:4, AR204:4, AR196:4, AR170:4, AR285:4, AR256:4, AR172:4, AR272:4, AR257:4, AR262:4, AR205:4, AR233:4, AR308:4, AR261:4, AR195:4, AR252:4, AR300:4, AR223:4, AR089:4, AR287:4, AR238:4, AR243:4, AR214:4, AR296:4, AR237:4, AR265:4, AR250:4, AR239:4, AR288:4, AR298:4, AR224:3, AR294:3, AR229:3, AR248:3, AR316:3, AR207:3, AR286:3, AR312:3, AR297:3, AR264:3, AR199:3, AR061:3, AR293:3, AR053:3, AR227:3, AR060:3, AR311:3, AR211:3, AR249:3, AR225:3, AR292:3, AR219:3, AR258:3, AR039:3, AR215:3, AR313:3, AR282:3, AR226:3, AR260:3, AR231:2, AR242:2, AR203:2, AR171:2, AR168:2, AR210:2, AR200:2, AR259:2, AR234:2, AR096:2, AR232:2, AR169:2, AR222:2, AR254:2, AR218:2, AR221:2, AR253:2, AR283:2, AR213:1, AR216:1, AR217:1, AR310:1 L0794:4, H0624:2, H0038:2, L0375:2, S0330:2, L0750:2, L0779:2, H0031:1, H0644:1, H0124:1, H0591:1, H0616:1, H0264:1, H0623:1, L0770:1, L0637:1, L0805:1, L0663:1, L0749:1, L0777:1, L0780:1 and L0599:1.</p>
295	HTEFU65	543396	305	<p>AR240:15, AR055:12, AR060:7, AR039:6, AR299:6, AR219:6, AR277:5, AR089:5, AR218:5, AR300:5, AR185:5,</p>

				AR104:5, AR283:4, AR282:4, AR316:4, AR096:3, AR313:3, H0486:3, H0253:1, H0544:1, H0012:1, S0388:1, H0553:1, H0090:1, H0038:1, H0652:1, L0769:1, L0641:1, L0806:1, H0696:1, L0748:1, L0749:1, S0031:1 and S0196:1.
296	HTEGA76	381995	306	AR192:3, AR253:3, AR282:3, AR258:3, AR168:3, AR252:3, AR263:2, AR243:2, AR170:2, AR207:2, AR172:2, AR221:2, AR217:2, AR215:2, AR257:2, AR176:2, AR183:2, AR178:2, AR214:1, AR222:1, AR165:1, AR164:1, AR294:1, AR166:1, AR089:1, AR204:1, AR277:1, AR181:1, H0038:1 and L0758:1.
297	HTELM16	834058	307	AR263:52, AR207:41, AR169:38, AR309:37, AR214:36, AR235:36, AR264:35, AR224:34, AR223:32, AR172:31, AR222:31, AR283:31, AR277:30, AR311:30, AR213:29, AR168:29, AR195:27, AR170:26, AR171:26, AR212:26, AR216:26, AR282:25, AR308:25, AR197:25, AR089:24, AR165:24, AR316:23, AR252:23, AR215:23, AR217:23, AR192:23, AR225:23, AR164:23, AR166:22, AR198:22, AR271:21, AR055:21, AR162:21, AR053:20, AR104:20, AR240:20, AR177:20, AR312:20, AR201:19, AR299:19, AR161:19, AR221:19, AR096:19, AR236:19, AR272:19, AR245:19, AR163:19, AR261:18, AR242:18, AR313:17, AR205:17, AR193:17, AR196:17, AR060:16, AR219:16, AR246:16, AR033:16, AR218:16, AR181:16, AR039:16, AR229:16, AR300:15, AR176:15, AR174:15, AR275:15, AR185:14, AR288:14, AR274:14, AR250:13, AR238:13, AR295:13, AR253:12, AR237:12, AR243:12, AR232:11, AR239:11, AR247:11, AR289:11, AR183:11, AR291:10, AR234:10, AR188:10, AR226:10, AR175:10, AR231:10, AR285:10, AR204:10, AR293:10, AR227:10, AR173:10, AR255:10, AR200:10, AR199:10, AR296:10, AR211:10, AR061:10, AR178:10, AR268:10, AR266:10, AR180:10, AR255:10, AR258:9, AR233:9, AR262:9, AR286:9, AR191:9, AR230:9, AR257:9, AR267:9, AR297:9, AR254:9, AR189:9, AR210:9, AR269:9, AR270:8, AR260:8, AR228:8, AR287:8, AR256:8, AR190:8, AR182:7, AR294:7, AR179:7, AR203:7, AR290:6, L0794:7, L0779:3, L0758:3, H0559:1, H0616:1 and L0767:1.
298	HTELP17	836072	308	AR263:33, AR223:32, AR214:31, AR309:30, AR224:29, AR264:29, AR283:27, AR308:27, AR222:27, AR169:25, AR235:25, AR172:25, AR277:24, AR212:23, AR053:23, AR168:23, AR213:22, AR171:22, AR316:21, AR221:21, AR311:21, AR261:21, AR217:20, AR089:20, AR170:20, AR055:19, AR219:19, AR282:19, AR165:19, AR312:19, AR162:19, AR225:19, AR216:19, AR161:18, AR164:18, AR176:18, AR218:18, AR033:18, AR295:18, AR163:18, AR207:18, AR104:18, AR096:17, AR236:17, AR166:17, AR215:16, AR299:16, AR177:16, AR240:16, AR060:16, AR196:15, AR288:15, AR266:15, AR300:15, AR269:15, AR039:15, AR200:15, AR181:15, AR313:15, AR291:14, AR178:14, AR293:14, AR185:14, AR272:14, AR286:14, AR253:13, AR210:13, AR294:13, AR270:13, AR296:13, AR285:13, AR227:13, AR239:13, AR297:13, AR233:12, AR174:12, AR245:12, AR183:12, AR252:12, AR192:12, AR230:12, AR226:12, AR287:12, AR175:12, AR257:12, AR195:12, AR258:12, AR274:12, AR229:11, AR289:11, AR237:11, AR179:11, AR267:11, AR255:11, AR247:11, AR061:11, AR262:11, AR290:11, AR231:11, AR191:11, AR275:11, AR268:11, AR180:10, AR182:10, AR199:10, AR234:10, AR204:10, AR205:10, AR173:10, AR188:10, AR228:10, AR232:10, AR238:9, AR198:9, AR190:9, AR197:9, AR203:9, AR256:9, AR189:8, AR254:8, AR250:8, AR246:7, AR211:7, AR193:7, AR260:7, AR243:7, AR201:7, AR271:6, AR242:5, L0758:3, S0408:2, H0031:2, H0038:2, L0766:2, H0521:2, L0748:2, H0341:1, L3659:1, S0476:1, H0581:1, S0051:1, H0266:1, H0111:1, H0616:1, L0794:1, L0805:1, L0787:1, L0779:1, L0759:1, L0593:1, H0542:1 and H0543:1.
299	HTELS08	847090	309	AR235:6, AR215:6, AR242:5, AR162:4, AR161:4, AR192:4, AR053:4, AR163:4, AR269:4, AR164:4, AR291:4, AR288:4, AR166:4, AR176:4, AR221:4, AR257:4, AR282:3, AR236:3, AR217:3, AR264:3, AR261:3, AR196:3, AR178:3, AR270:3, AR177:3, AR272:3, AR181:3, AR255:3, AR297:3, AR294:3, AR172:3, AR182:3, AR295:3, AR296:3, AR055:3,

				AR060:3, AR285:3, AR179:3, AR240:3, AR191:3, AR287:3, AR216:3, AR293:3, AR175:3, AR183:3, AR225:3, AR313:3, AR199:3, AR180:3, AR238:3, AR233:3, AR195:3, AR223:2, AR239:2, AR228:2, AR173:2, AR168:2, AR311:2, AR262:2, AR290:2, AR263:2, AR237:2, AR268:2, AR188:2, AR266:2, AR033:2, AR229:2, AR247:2, AR207:2, AR277:2, AR286:2, AR174:2, AR300:2, AR267:2, AR193:2, AR250:2, AR230:2, AR258:2, AR189:2, AR246:2, AR289:2, AR096:2, AR231:2, AR283:2, AR185:2, AR089:2, AR222:2, AR275:2, AR308:2, AR201:2, AR260:2, AR190:2, AR316:2, AR312:2, AR061:2, AR226:2, AR243:2, AR299:2, AR104:2, AR171:1, AR200:1, AR309:1, AR227:1, AR203:1, AR256:1, AR039:1, AR234:1, AR169:1, AR232:1 H0616:2, L0758:2 and H0038:1.
300	HTEPG70	834931	310	AR176:9, AR282:7, AR162:7, AR161:7, AR163:7, AR055:7, AR182:7, AR060:6, AR266:6, AR253:6, AR201:6, AR228:5, AR242:5, AR269:5, AR204:5, AR198:5, AR268:5, AR261:5, AR233:5, AR229:5, AR267:5, AR270:5, AR263:5, AR165:5, AR166:5, AR181:5, AR214:5, AR223:4, AR246:4, AR183:4, AR164:4, AR236:4, AR239:4, AR309:4, AR257:4, AR283:4, AR178:4, AR275:4, AR053:4, AR289:4, AR238:4, AR177:4, AR193:4, AR185:4, AR230:4, AR089:4, AR218:4, AR277:4, AR179:4, AR192:4, AR264:4, AR039:4, AR237:4, AR104:4, AR316:4, AR061:4, AR243:4, AR175:4, AR300:4, AR222:4, AR240:4, AR299:4, AR231:4, AR224:3, AR096:3, AR312:3, AR308:3, AR173:3, AR245:3, AR212:3, AR226:3, AR196:3, AR271:3, AR286:3, AR247:3, AR274:3, AR215:3, AR255:3, AR293:3, AR288:3, AR174:3, AR197:3, AR191:3, AR296:3, AR207:3, AR221:3, AR262:3, AR227:3, AR287:3, AR199:3, AR190:3, AR290:3, AR180:3, AR234:3, AR311:2, AR313:2, AR203:2, AR291:2, AR200:2, AR272:2, AR294:2, AR232:2, AR216:2, AR188:2, AR295:2, AR258:2, AR033:2, AR260:2, AR285:2, AR189:2, AR297:2, AR171:2, AR205:2, AR195:2, AR219:2, AR168:2, AR210:2, AR213:1, AR256:1, AR172:1, AR211:1, AR254:1, AR235:1, AR169:1 H0616:3, L0758:3, L0717:1, H0038:1 and L0779:1.
301	HTGEP89	410582	311	AR204:2819, AR055:1652, AR243:1634, AR193:1321, AR242:1210, AR198:1095, AR197:1075, AR283:1053, AR039:973, AR195:937, AR201:917, AR207:849, AR192:820, AR205:809, AR300:762, AR271:680, AR053:647, AR246:622, AR173:609, AR245:560, AR254:559, AR275:550, AR233:536, AR212:528, AR308:522, AR229:477, AR282:470, AR250:462, AR089:461, AR227:459, AR272:439, AR176:429, AR274:408, AR213:408, AR253:398, AR234:385, AR312:385, AR270:369, AR239:367, AR226:364, AR252:361, AR257:351, AR228:347, AR247:346, AR316:343, AR060:337, AR174:332, AR185:332, AR163:332, AR165:325, AR177:322, AR260:320, AR240:319, AR164:315, AR166:312, AR231:304, AR161:301, AR061:296, AR309:280, AR162:271, AR258:267, AR033:256, AR293:245, AR255:227, AR294:227, AR261:220, AR179:217, AR238:217, AR297:217, AR264:213, AR262:209, AR286:205, AR175:201, AR236:200, AR311:199, AR288:197, AR287:196, AR299:195, AR232:190, AR263:184, AR104:174, AR230:173, AR096:172, AR182:168, AR200:159, AR277:158, AR237:155, AR199:146, AR268:144, AR203:142, AR313:140, AR285:140, AR269:140, AR267:139, AR235:138, AR295:132, AR190:122, AR178:115, AR181:110, AR189:103, AR180:103, AR256:101, AR289:95, AR266:94, AR296:84, AR183:82, AR290:81, AR196:78, AR219:77, AR218:73, AR188:70, AR291:64, AR191:63, AR171:52, AR222:47, AR168:47, AR224:43, AR169:43, AR170:41, AR214:37, AR221:36, AR223:35, AR217:34, AR216:32, AR172:32, AR225:23, AR215:18, AR211:16, AR210:9 L0775:3, L0779:2, L0758:2, S0218:1, S0001:1, H0305:1, L3435:1, L3815:1, L0766:1 and H0422:1.
302	HTHBG43	919911	312	AR215:6, AR225:5, AR171:3, AR170:3, AR193:3, AR180:3, AR254:3, AR169:3, AR242:2, AR243:2, AR309:2, AR164:2, AR283:2, AR222:2, AR172:2, AR176:1, AR224:1, AR299:1, AR290:1, AR311:1, AR242:1, AR270:1, AR216:1, AR168:1, AR296:1, AR277:1 L0485:2, H0306:1, H0063:1, L0646:1, L0794:1, L0766:1 and H0134:1.

303	HTHBG43	906282	505	AR13:26, AR096:17, AR163:16, AR161:16, AR165:16, AR166:16, AR162:16, AR164:15, AR173:15, AR089:15, AR183:14, AR178:14, AR175:14, AR247:14, AR293:13, AR192:13, AR308:13, AR181:13, AR299:12, AR176:12, AR229:12, AR242:12, AR180:11, AR269:11, AR182:10, AR300:10, AR179:10, AR264:10, AR258:10, AR226:10, AR233:10, AR240:10, AR268:10, AR104:9, AR312:9, AR275:9, AR238:9, AR12:9, AR053:9, AR174:9, AR218:9, AR196:9, AR296:9, AR177:9, AR262:9, AR282:9, AR245:8, AR257:8, AR198:8, AR197:8, AR316:8, AR270:8, AR228:8, AR185:8, AR204:8, AR060:8, AR200:8, AR234:8, AR309:8, AR297:8, AR286:8, AR266:8, AR039:7, AR236:7, AR285:7, AR239:7, AR267:7, AR274:7, AR231:7, AR193:7, AR294:7, AR203:7, AR195:6, AR213:6, AR261:6, AR263:6, AR287:6, AR290:6, AR191:6, AR277:6, AR199:6, AR033:6, AR295:6, AR243:6, AR201:6, AR289:6, AR230:6, AR235:6, AR255:6, AR291:6, AR260:5, AR227:5, AR205:5, AR256:5, AR219:5, AR271:5, AR207:5, AR189:5, AR288:5, AR061:5, AR272:5, AR250:5, AR223:4, AR246:4, AR214:4, AR055:4, AR188:4, AR232:4, AR283:4, AR170:4, AR254:3, AR169:3, AR171:3, AR221:3, AR253:3, AR311:3, AR190:3, AR224:3, AR215:3, AR210:2, AR168:2, AR222:2, AR225:2, AR172:2, AR211:1, AR216:1, AR217:1 H0063:1, T0067:1 and L0662:1.
	HTHDS25	772559	313	AR173:20, AR262:20, AR313:19, AR196:16, AR161:16, AR162:15, AR175:15, AR163:15, AR258:15, AR165:15, AR164:14, AR166:14, AR178:13, AR257:13, AR300:13, AR179:13, AR181:12, AR233:12, AR229:12, AR174:12, AR183:12, AR247:12, AR240:11, AR234:11, AR177:11, AR191:11, AR200:10, AR236:10, AR293:10, AR242:10, AR199:10, AR269:10, AR182:10, AR180:10, AR260:9, AR255:9, AR275:8, AR238:8, AR264:8, AR228:8, AR270:8, AR261:8, AR188:8, AR297:8, AR231:8, AR185:8, AR226:8, AR294:8, AR296:8, AR176:8, AR312:8, AR287:8, AR203:7, AR219:7, AR268:7, AR290:7, AR230:7, AR033:7, AR267:7, AR274:7, AR096:7, AR237:7, AR213:7, AR189:7, AR285:6, AR286:6, AR288:6, AR197:6, AR295:6, AR053:6, AR212:6, AR308:6, AR291:6, AR204:6, AR218:6, AR266:6, AR309:6, AR198:6, AR089:5, AR235:5, AR282:5, AR193:5, AR170:5, AR299:5, AR263:5, AR239:5, AR256:5, AR210:5, AR190:5, AR277:5, AR289:5, AR316:5, AR169:4, AR217:4, AR192:4, AR060:4, AR201:4, AR223:4, AR227:4, AR245:4, AR171:4, AR252:4, AR243:4, AR221:4, AR232:4, AR211:4, AR061:4, AR272:4, AR271:3, AR195:3, AR205:3, AR039:3, AR172:3, AR250:3, AR214:2, AR207:2, AR055:2, AR168:2, AR222:2, AR283:2, AR224:2, AR104:2, AR215:2, AR216:1, AR225:1 H0253:1
304	HTLEP53	634852	314	AR248:803, AR258:750, AR259:694, AR309:673, AR256:663, AR312:560, AR253:551, AR053:520, AR266:496, AR286:488, AR289:486, AR213:478, AR265:434, AR310:428, AR263:421, AR294:413, AR052:367, AR249:341, AR315:332, AR241:320, AR219:316, AR292:296, AR247:289, AR218:287, AR280:285, AR275:279, AR281:278, AR271:268, AR202:264, AR177:263, AR198:263, AR246:249, AR293:234, AR268:231, AR205:223, AR243:222, AR183:221, AR204:219, AR194:216, AR206:196, AR179:195, AR244:193, AR283:192, AR192:191, AR269:190, AR314:190, AR291:180, AR274:177, AR284:175, AR298:174, AR240:173, AR273:171, AR096:168, AR175:147, AR313:146, AR231:145, AR270:144, AR290:139, AR316:135, AR033:134, AR300:124, AR039:121, AR267:120, AR184:118, AR234:118, AR285:112, AR186:99, AR229:93, AR299:89, AR104:87, AR237:85, AR182:84, AR296:74, AR251:72, AR055:66, AR232:66, AR295:65, AR185:59, AR089:56, AR282:51, AR226:48, AR238:44, AR061:37, AR227:31, AR233:29, AR277:21, AR060:15 H0618:1, L0368:1 and S0053:1.
	HTLGE31	1035130	315	AR215:8, AR169:7, AR176:6, AR060:6, AR055:6, AR223:6, AR269:6, AR162:6, AR182:6, AR277:5, AR161:5, AR163:5, AR227:3, AR250:3, AR214:2, AR207:2, AR055:2, AR168:2, AR222:2, AR283:2, AR224:2, AR104:2, AR215:2, AR216:1, AR225:1 H0253:1
305	HTLGE31	1035130	315	AR248:803, AR258:750, AR259:694, AR309:673, AR256:663, AR312:560, AR253:551, AR053:520, AR266:496, AR286:488, AR289:486, AR213:478, AR265:434, AR310:428, AR263:421, AR294:413, AR052:367, AR249:341, AR315:332, AR241:320, AR219:316, AR292:296, AR247:289, AR218:287, AR280:285, AR275:279, AR281:278, AR271:268, AR202:264, AR177:263, AR198:263, AR246:249, AR293:234, AR268:231, AR205:223, AR243:222, AR183:221, AR204:219, AR194:216, AR206:196, AR179:195, AR244:193, AR283:192, AR192:191, AR269:190, AR314:190, AR291:180, AR274:177, AR284:175, AR298:174, AR240:173, AR273:171, AR096:168, AR175:147, AR313:146, AR231:145, AR270:144, AR290:139, AR316:135, AR033:134, AR300:124, AR039:121, AR267:120, AR184:118, AR234:118, AR285:112, AR186:99, AR229:93, AR299:89, AR104:87, AR237:85, AR182:84, AR296:74, AR251:72, AR055:66, AR232:66, AR295:65, AR185:59, AR089:56, AR282:51, AR226:48, AR238:44, AR061:37, AR227:31, AR233:29, AR277:21, AR060:15 H0618:1, L0368:1 and S0053:1.
	HTLGE31	1035130	315	AR215:8, AR169:7, AR176:6, AR060:6, AR055:6, AR223:6, AR269:6, AR162:6, AR182:6, AR277:5, AR161:5, AR163:5, AR227:3, AR250:3, AR214:2, AR207:2, AR055:2, AR168:2, AR222:2, AR283:2, AR224:2, AR104:2, AR215:2, AR216:1, AR225:1 H0253:1
306	HTLHY14	838460	316	AR215:8, AR169:7, AR176:6, AR060:6, AR055:6, AR223:6, AR269:6, AR162:6, AR182:6, AR277:5, AR161:5, AR163:5, AR227:3, AR250:3, AR214:2, AR207:2, AR055:2, AR168:2, AR222:2, AR283:2, AR224:2, AR104:2, AR215:2, AR216:1, AR225:1 H0253:1
	HTLHY14	838460	316	AR215:8, AR169:7, AR176:6, AR060:6, AR055:6, AR223:6, AR269:6, AR162:6, AR182:6, AR277:5, AR161:5, AR163:5, AR227:3, AR250:3, AR214:2, AR207:2, AR055:2, AR168:2, AR222:2, AR283:2, AR224:2, AR104:2, AR215:2, AR216:1, AR225:1 H0253:1

				AR183:5, AR225:5, AR104:5, AR181:5, AR171:4, AR266:4, AR228:4, AR257:4, AR221:4, AR053:4, AR267:4, AR291:4, AR274:4, AR229:4, AR233:4, AR236:4, AR177:4, AR168:4, AR235:4, AR253:4, AR179:4, AR191:4, AR240:4, AR255:4, AR089:4, AR261:4, AR239:3, AR268:3, AR178:3, AR237:3, AR238:3, AR309:3, AR216:3, AR275:3, AR283:3, AR252:3, AR224:3, AR294:3, AR262:3, AR300:3, AR217:3, AR290:3, AR287:3, AR293:3, AR270:3, AR185:3, AR172:3, AR296:3, AR288:3, AR316:3, AR299:3, AR311:3, AR180:3, AR289:3, AR231:3, AR214:3, AR196:3, AR175:3, AR061:3, AR230:3, AR170:3, AR313:3, AR039:3, AR188:3, AR285:3, AR282:3, AR199:3, AR174:3, AR234:3, AR297:2, AR190:2, AR207:2, AR218:2, AR286:2, AR189:2, AR200:2, AR226:2, AR096:2, AR272:2, AR295:2, AR173:2, AR247:2, AR227:2, AR264:2, AR232:2, AR164:2, AR263:2, AR312:2, AR033:2, AR243:2, AR213:2, AR165:2, AR193:2, AR203:2, AR205:2, AR219:2, AR258:2, AR166:2, AR201:2, AR250:1, AR271:1, AR260:1, AR222:1 H0618:12, H0253:7, L0758:5, L0766:3, L0779:3, S0222:1, H0150:1, H0063:1, L0648:1, H0522:1 and L0698:1.
307	HTLIV19	1046341	317	AR313:57, AR039:49, AR089:39, AR299:34, AR277:31, AR185:28, AR096:28, AR300:28, AR240:27, AR316:25, AR218:23, AR104:23, AR060:21, AR219:20, AR055:17, AR282:17, AR283:12 H0618:1
308	HTOAK16	560744	318	AR219:41, AR218:38, AR096:21, AR316:19, AR089:18, AR313:16, AR060:12, AR104:11, AR039:11, AR282:10, AR299:9, AR240:9, AR264:9, AR055:8, AR252:7, AR185:7, AR263:7, AR300:7, AR225:7, AR309:6, AR162:6, AR254:6, AR193:6, AR161:6, AR217:5, AR283:5, AR163:5, AR277:5, AR308:5, AR176:5, AR270:4, AR269:4, AR229:4, AR182:4, AR228:4, AR224:4, AR183:4, AR275:4, AR223:4, AR267:4, AR266:4, AR177:4, AR171:4, AR291:4, AR165:4, AR181:4, AR238:4, AR178:4, AR312:4, AR261:4, AR247:4, AR164:3, AR268:3, AR173:3, AR272:3, AR233:3, AR216:3, AR166:3, AR231:3, AR297:3, AR200:3, AR293:3, AR175:3, AR196:3, AR226:3, AR236:3, AR295:3, AR246:3, AR221:3, AR230:3, AR296:3, AR199:3, AR290:3, AR274:3, AR289:3, AR214:3, AR255:3, AR239:3, AR311:3, AR189:3, AR234:3, AR285:3, AR257:3, AR286:3, AR288:3, AR174:3, AR195:3, AR262:2, AR190:2, AR179:2, AR287:2, AR168:2, AR191:2, AR294:2, AR188:2, AR172:2, AR201:2, AR227:2, AR170:2, AR203:2, AR211:2, AR061:2, AR198:2, AR258:2, AR232:2, AR180:2, AR256:1, AR222:1, AR271:1, AR260:1, AR033:1 H0587:1, L3816:1, H0599:1, H0052:1, H0264:1 and L0748:1.
309	HTOGR42	838160	319	AR282:8, AR176:4, AR253:3, AR222:3, AR217:3, AR235:3, AR291:2, AR207:2, AR163:2, AR192:2, AR221:2, AR224:2, AR168:2, AR161:2, AR171:2, AR223:2, AR205:2, AR181:2, AR089:2, AR309:2, AR165:2, AR033:2, AR164:1, AR178:1, AR166:1, AR264:1, AR172:1, AR240:1, AR195:1, AR272:1, AR225:1, AR252:1, AR257:1, AR210:1, AR201:1 H0264:1
	HTOGR42	570751	506	
310	HTOHT18	628300	320	AR252:6, AR245:5, AR294:5, AR207:4, AR269:4, AR204:4, AR171:4, AR234:4, AR289:3, AR231:3, AR296:3, AR221:3, AR243:3, AR214:3, AR238:3, AR182:3, AR165:3, AR223:2, AR201:2, AR164:2, AR166:2, AR217:2, AR242:2, AR267:2, AR181:2, AR168:2, AR177:2, AR240:2, AR293:2, AR216:2, AR313:2, AR271:2, AR264:2, AR212:2, AR200:2, AR060:2, AR282:2, AR262:2, AR233:2, AR225:2, AR190:2, AR260:2, AR239:2, AR199:2, AR300:2, AR061:2, AR309:2, AR039:2, AR247:2, AR203:2, AR089:2, AR224:1, AR222:1, AR290:1, AR277:1, AR257:1, AR258:1, AR316:1, AR185:1, AR308:1, AR193:1, AR173:1, AR196:1, AR268:1, AR183:1, AR311:1, AR172:1, AR205:1, AR219:1, AR211:1 L0766:7, H0616:4, L0601:4, L0779:3, L0758:3, L0794:2, L0747:2, L0777:2, H0657:1, S0358:1, S0045:1, S0140:1, H0370:1, H0574:1, H0318:1, H0597:1, H0545:1, H0081:1, S0050:1, H0014:1, H0290:1, H0328:1, H0264:1, H0494:1, L0645:1, L0805:1, L0652:1, L0789:1, L0749:1 and L0750:1.
311	HTOIZ02	826312	321	AR192:8, AR161:7, AR162:7, AR163:7, AR089:7, AR165:6, AR166:6, AR164:6, AR313:6, AR180:6, AR243:5, AR242:5,

				AR207:5, AR096:5, AR246:5, AR053:5, AR178:4, AR275:4, AR274:4, AR173:4, AR264:4, AR266:4, AR060:4, AR039:4, AR309:4, AR282:3, AR213:3, AR271:3, AR272:3, AR193:3, AR229:3, AR212:3, AR175:3, AR312:3, AR104:3, AR176:3, AR217:3, AR228:3, AR269:3, AR239:3, AR270:3, AR201:3, AR238:3, AR182:3, AR316:3, AR277:3, AR237:3, AR183:3, AR230:3, AR291:3, AR296:3, AR231:3, AR033:3, AR293:3, AR240:3, AR285:3, AR295:3, AR185:2, AR204:2, AR225:2, AR311:2, AR286:2, AR297:2, AR181:2, AR226:2, AR227:2, AR267:2, AR289:2, AR300:2, AR299:2, AR232:2, AR268:2, AR287:2, AR205:2, AR218:2, AR174:2, AR234:2, AR294:2, AR223:2, AR179:2, AR247:2, AR233:2, AR290:2, AR308:2, AR211:2, AR283:2, AR258:1, AR172:1, AR260:1, AR288:1, AR197:1, AR219:1, AR254:1, AR257:1, AR210:1, AR255:1, H0264:3, S0134:2, H0318:2, H0271:2, L0748:2, L0749:2, H0556:1, H0663:1, H0402:1, H0587:1, H0013:1, H0234:1, H0252:1, H0616:1, H0561:1, L0518:1, L0544:1, S0126:1, S0121:1, H0444:1, H0445:1 and L0596:1.
	HTOIZ02	847904	507	
312	HTOIK60	545067	322	AR313:29, AR173:22, AR165:22, AR164:21, AR166:21, AR161:20, AR163:19, AR262:19, AR264:19, AR089:18, AR162:18, AR218:18, AR258:17, AR240:16, AR300:16, AR247:15, AR175:15, AR096:15, AR183:14, AR299:14, AR180:14, AR178:14, AR229:14, AR196:14, AR257:14, AR174:13, AR191:13, AR236:12, AR192:12, AR181:12, AR242:12, AR296:12, AR293:12, AR207:12, AR219:11, AR179:11, AR260:11, AR213:11, AR185:11, AR182:11, AR177:11, AR234:11, AR212:11, AR312:10, AR216:10, AR261:10, AR199:10, AR297:10, AR270:10, AR053:10, AR233:10, AR269:10, AR200:10, AR226:10, AR193:10, AR238:10, AR060:9, AR285:9, AR230:9, AR203:9, AR033:9, AR263:9, AR308:9, AR235:9, AR255:9, AR286:9, AR294:9, AR237:9, AR277:9, AR287:8, AR176:8, AR039:8, AR274:8, AR282:8, AR275:8, AR204:8, AR104:8, AR198:8, AR195:8, AR295:8, AR188:8, AR189:8, AR231:8, AR228:8, AR223:7, AR171:7, AR253:7, AR245:7, AR168:7, AR250:7, AR291:7, AR309:7, AR268:7, AR311:6, AR210:6, AR266:6, AR239:6, AR211:6, AR289:6, AR224:6, AR197:6, AR276:6, AR236:5, AR222:5, AR243:5, AR214:5, AR267:5, AR221:5, AR055:5, AR290:5, AR217:5, AR216:5, AR201:5, AR271:5, AR172:5, AR232:5, AR254:5, AR272:4, AR205:4, AR190:4, AR169:4, AR246:4, AR215:4, AR061:4, AR170:3, AR283:3, AR225:3, AR252:2, L0438:6, H0519:5, H0156:4, L0747:4, L0758:4, L0763:3, L0783:3, L0777:3, T0002:2, H0341:2, H0663:2, H0402:2, S0036:2, H0551:2, L0520:2, L0646:2, L0775:2, L0776:2, L0517:2, H0547:2, S0126:2, L0756:2, L0779:2, L0755:2, L0591:2, H0713:1, S0114:1, S0116:1, H0125:1, S0358:1, S0360:1, S0476:1, S0626:1, H0549:1, S0222:1, H0599:1, S0346:1, H0421:1, H0544:1, H0050:1, H0510:1, S0628:1, S0022:1, H0328:1, H0039:1, L0055:1, L0455:1, H0124:1, H0040:1, H0634:1, H0264:1, T0042:1, H0494:1, H0560:1, L0768:1, L0364:1, L0794:1, L0766:1, L0774:1, L0657:1, L0659:1, L0666:1, L0665:1, S0052:1, H0144:1, H0709:1, H0521:1, S0013:1, H0436:1, L0740:1, L0754:1, L0749:1, L0750:1, L0752:1, H0707:1, S0434:1, H0667:1, H0423:1, S0412:1 and S0456:1.
313	HTPCS72	854941	323	AR219:14, AR218:13, AR104:11, AR240:9, AR060:8, AR055:7, AR299:7, AR096:7, AR316:7, AR185:6, AR313:6, AR089:6, AR300:6, AR039:5, AR283:4, AR282:4, AR277:2, L0438:6, L0439:5, H0661:3, L0776:3, H0556:2, H0100:2, L0598:2, L0764:2, L0766:2, H0672:2, L0772:2, L0731:2, H0170:1, H0171:1, H0265:1, H0140:1, S0114:1, H0657:1, H0656:1, H0638:1, S0418:1, S0408:1, H0730:1, H0741:1, S0046:1, H0411:1, S0278:1, H0550:1, S0222:1, T0104:1, H0600:1, S0280:1, S0474:1, H0007:1, T0110:1, H0046:1, H0457:1, H0150:1, H0566:1, H0620:1, H0057:1, H0039:1, H0030:1, L0055:1, H0090:1, H0413:1, H0623:1, H0059:1, H0647:1, H0529:1, L0770:1, L0646:1, L0645:1, L0521:1, L0794:1, L0650:1, L0659:1, L5623:1, L0789:1, L0666:1, L0663:1, L0664:1, H0144:1, H0547:1, S0152:1, L0740:1,

					L0747:1, L0750:1, L0756:1, L0779:1, L0757:1, L0758:1, L0595:1 and H0422:1.
	HTPCS72	566683	508		
314	HTPIH83	919916	324		AR176:5, AR180:5, AR266:5, AR182:5, AR223:4, AR267:4, AR183:4, AR233:4, AR269:4, AR181:4, AR228:4, AR236:4, AR245:4, AR224:4, AR169:3, AR225:3, AR238:3, AR231:3, AR168:3, AR257:3, AR229:3, AR161:3, AR162:3, AR177:3, AR293:3, AR237:3, AR221:3, AR289:3, AR163:3, AR268:3, AR239:3, AR215:3, AR288:3, AR170:3, AR175:3, AR226:3, AR174:3, AR199:3, AR290:3, AR179:2, AR191:2, AR255:2, AR264:2, AR234:2, AR061:2, AR217:2, AR240:2, AR282:2, AR216:2, AR294:2, AR060:2, AR196:2, AR287:2, AR172:2, AR173:2, AR178:2, AR285:2, AR295:2, AR200:2, AR291:2, AR222:2, AR190:2, AR247:2, AR189:2, AR309:2, AR203:2, AR188:2, AR300:2, AR230:2, AR311:2, AR296:2, AR262:2, AR171:2, AR275:2, AR235:1, AR232:1, AR227:1, AR258:1, AR286:1, AR033:1, AR297:1, AR039:1, AR256:1, AR316:1, AR313:1, AR089:1, AR185:1, AR277:1 H0622:7, S0360:3, L0809:3, L0804:2, L0774:2, L0775:2, L0748:2, H0484:1, H0014:1, S0440:1, L0646:1, L0643:1, L0374:1, L0764:1, L0771:1, L0773:1, L0662:1, L0803:1 and L0788:1.
	HTPIH83	895024	509		
	HTPIH83	898088	510		
315	HTSEW17	460579	325		AR170:7, AR161:7, AR162:7, AR163:7, AR182:7, AR225:6, AR176:6, AR282:5, AR228:5, AR223:5, AR266:5, AR180:5, AR224:5, AR178:5, AR269:5, AR181:5, AR261:5, AR309:5, AR233:5, AR250:5, AR191:5, AR216:4, AR257:4, AR231:4, AR267:4, AR236:4, AR268:4, AR274:4, AR229:4, AR270:4, AR214:4, AR179:4, AR239:4, AR165:4, AR288:4, AR247:4, AR263:4, AR089:4, AR255:4, AR237:4, AR061:4, AR164:4, AR287:3, AR275:3, AR240:3, AR177:3, AR096:3, AR264:3, AR174:3, AR166:3, AR183:3, AR234:3, AR293:3, AR291:3, AR295:3, AR173:3, AR300:3, AR168:3, AR200:3, AR299:3, AR190:3, AR221:3, AR196:3, AR296:3, AR290:3, AR316:3, AR294:3, AR262:3, AR175:3, AR297:3, AR185:3, AR238:3, AR313:3, AR060:3, AR230:3, AR055:3, AR039:3, AR283:3, AR286:3, AR227:3, AR260:2, AR172:2, AR285:2, AR053:2, AR308:2, AR217:2, AR311:2, AR188:2, AR277:2, AR203:2, AR226:2, AR272:2, AR32:2, AR192:2, AR222:2, AR189:2, AR201:2, AR213:2, AR312:2, AR258:2, AR193:2, AR289:2, AR171:2, AR199:2, AR256:1, AR219:1, AR212:1, AR215:1, AR211:1, AR033:1, AR218:1 H0087:1, S0002:1, L0769:1, L0789:1, H0683:1, H0670:1, L0748:1, L0749:1, L0752:1 and L0758:1.
316	HTTB176	637725	326		AR252:4, AR214:4, AR309:3, AR169:3, AR297:3, AR193:3, AR250:3, AR271:3, AR291:3, AR161:3, AR272:2, AR033:2, AR294:2, AR217:2, AR221:2, AR223:2, AR312:2, AR168:2, AR163:2, AR261:2, AR181:2, AR210:1, AR197:1, AR225:1, AR205:1, AR267:1, AR270:1, AR165:1, AR222:1, AR216:1, AR170:1, AR295:1, AR166:1, AR213:1 L0803:4, L0731:4, L0774:3, S0380:3, S0028:3, L0758:3, H0486:2, S0003:2, H0040:2, S0344:2, L0766:2, L0775:2, H0547:2, L0748:2, L0756:2, L0777:2, L0780:2, L0753:2, S0011:2, H0716:1, H0638:1, L0617:1, S0358:1, H0411:1, S0280:1, H0318:1, H0355:1, H0674:1, H0212:1, H0135:1, H0038:1, H0132:1, S0142:1, S0002:1, H0529:1, L0804:1, L0632:1, L0666:1, H0682:1, H0684:1, H0525:1, S0044:1, S0406:1, H0555:1, L0747:1, L0750:1, L0752:1, L0755:1, L0604:1 and S0026:1.
317	HTTBS64	1008159	327		AR282:4, AR252:4, AR269:3, AR171:3, AR170:3, AR264:2, AR176:2, AR291:2, AR311:2, AR225:2, AR277:2, AR168:2, AR270:2, AR172:2, AR262:1, AR271:1, AR055:1, AR272:1, AR299:1, AR257:1, AR313:1 H0040:1
	HTTBS64	863187	511		
	HTTBS64	754125	512		

318	HTWDF76	714344	328	AR214:37, AR169:30, AR222:28, AR207:27, AR223:27, AR224:26, AR263:25, AR235:25, AR217:24, AR171:22, AR168:22, AR172:22, AR170:21, AR215:21, AR225:20, AR311:19, AR309:19, AR195:19, AR216:18, AR164:18, AR162:18, AR161:17, AR192:17, AR165:17, AR213:17, AR166:17, AR198:17, AR295:16, AR308:16, AR163:16, AR053:16, AR245:16, AR089:15, AR221:15, AR261:15, AR264:15, AR177:14, AR196:14, AR240:14, AR236:14, AR210:14, AR212:14, AR288:13, AR312:13, AR271:12, AR197:12, AR282:12, AR277:12, AR316:12, AR252:12, AR211:11, AR033:11, AR181:11, AR246:11, AR299:11, AR285:11, AR174:10, AR242:10, AR060:10, AR286:10, AR193:10, AR275:10, AR238:10, AR229:10, AR313:10, AR201:10, AR055:9, AR291:9, AR188:9, AR232:9, AR218:9, AR205:9, AR185:9, AR096:9, AR289:9, AR300:9, AR104:9, AR239:9, AR274:9, AR199:8, AR253:8, AR297:8, AR296:8, AR287:8, AR283:8, AR258:8, AR200:8, AR039:8, AR175:8, AR293:8, AR204:8, AR219:8, AR191:7, AR247:7, AR234:7, AR176:7, AR254:7, AR227:7, AR173:7, AR237:7, AR189:7, AR230:7, AR256:7, AR231:7, AR272:7, AR226:7, AR266:7, AR250:6, AR294:6, AR257:6, AR183:6, AR270:6, AR255:6, AR203:6, AR268:6, AR269:6, AR290:6, AR260:6, AR180:6, AR243:5, AR178:5, AR233:5, AR190:5, AR061:5, AR179:5, AR182:4, AR228:4, AR267:4 H0436:1
319	HTXCV12	1352213	329	AR282:6, AR162:4, AR161:4, AR163:4, AR053:4, AR176:4, AR264:3, AR217:3, AR214:3, AR250:3, AR168:3, AR182:3, AR172:3, AR266:3, AR274:3, AR269:3, AR270:3, AR225:3, AR165:3, AR213:3, AR235:3, AR178:3, AR164:3, AR257:3, AR309:3, AR166:3, AR228:3, AR267:3, AR216:3, AR268:3, AR221:2, AR175:2, AR294:2, AR210:2, AR240:2, AR179:2, AR089:2, AR177:2, AR290:2, AR171:2, AR291:2, AR262:2, AR255:2, AR247:2, AR288:2, AR233:2, AR237:2, AR283:2, AR263:2, AR239:2, AR238:2, AR316:2, AR191:2, AR275:2, AR236:2, AR193:2, AR229:2, AR185:2, AR060:2, AR296:2, AR183:2, AR261:2, AR200:2, AR277:2, AR234:2, AR055:2, AR226:2, AR188:2, AR313:2, AR174:2, AR222:2, AR170:2, AR272:2, AR196:2, AR096:2, AR295:2, AR289:2, AR293:2, AR231:1, AR181:1, AR311:1, AR299:1, AR227:1, AR300:1, AR312:1, AR173:1, AR061:1, AR203:1, AR195:1, AR201:1, AR260:1, AR286:1, AR287:1, AR224:1 L0766:16, L0743:11, H0692:8, L0769:7, L0518:6, L0748:6, L0771:4, L0745:4, L0779:4, H0265:3, S0358:3, H0494:3, L0755:3, H0550:2, H0486:2, H0581:2, H0135:2, L0761:2, L0804:2, L0774:2, L0438:2, L0777:2, H0685:1, S0114:1, H0583:1, L3814:1, S0116:1, S0212:1, H0254:1, S0408:1, S0476:1, T0104:1, H0586:1, H0587:1, H0331:1, T0109:1, H0599:1, L0738:1, H0150:1, H0012:1, H0264:1, S0438:1, L0770:1, L0374:1, L0764:1, L0768:1, L0803:1, L0653:1, L0776:1, L0788:1, L0792:1, L0663:1, S0428:1, S0053:1, S0216:1, H0783:1, L3811:1, S0152:1, H0522:1, H0555:1, S0432:1, L0744:1, L0751:1, L0749:1, L0756:1, L0758:1, S0436:1, L0601:1, H0543:1, H0423:1, S0424:1 and H0506:1.
320	HTXCV12	567006	513	AR271:4, AR171:4, AR221:3, AR181:3, AR180:3, AR269:3, AR243:3, AR253:3, AR223:3, AR224:3, AR162:2, AR163:2, AR245:2, AR161:2, AR178:2, AR168:2, AR215:2, AR246:2, AR291:2, AR192:2, AR193:1, AR257:1, AR295:1, AR263:1, AR216:1, AR272:1, AR293:1, AR175:1, AR290:1, AR236:1, AR312:1, AR225:1, AR173:1, AR172:1, AR267:1, AR300:1 H0038:2, H0265:1, H0556:1, S0134:1, S0222:1, L0455:1, L0792:1, S0152:1, S0028:1 and L0591:1.
321	HTXJM03	603918	331	AR313:13, AR252:10, AR282:8, AR312:7, AR176:7, AR096:7, AR269:6, AR254:6, AR201:6, AR196:6, AR245:6, AR250:6, AR270:6, AR197:6, AR053:6, AR161:6, AR162:6, AR180:6, AR089:6, AR163:6, AR169:6, AR191:5, AR170:5, AR240:5, AR165:5, AR178:5, AR183:5, AR290:5, AR164:5, AR166:5, AR300:5, AR257:5, AR039:5, AR264:5, AR229:5, AR203:5, AR266:5, AR268:5, AR267:5, AR181:5, AR236:5, AR297:5, AR233:4, AR296:4, AR309:4, AR182:4, AR193:4, AR228:4, AR179:4, AR175:4, AR188:4, AR247:4, AR316:4, AR173:4, AR177:4, AR293:4, AR231:4,

322	HTXON32	838288	332	AR213:4, AR060:4, AR225:4, AR308:4, AR212:4, AR243:4, AR285:4, AR200:4, AR199:4, AR192:4, AR287:4, AR189:4, AR294:4, AR286:4, AR238:4, AR299:3, AR291:3, AR295:3, AR239:3, AR261:3, AR237:3, AR263:3, AR198:3, AR283:3, AR172:3, AR185:3, AR216:3, AR204:3, AR288:3, AR311:3, AR234:3, AR205:3, AR262:3, AR258:3, AR289:3, AR055:3, AR277:3, AR224:3, AR207:3, AR230:3, AR168:3, AR226:3, AR223:3, AR061:3, AR190:2, AR174:2, AR218:2, AR227:2, AR195:2, AR256:2, AR274:2, AR260:2, AR217:2, AR235:2, AR033:2, AR246:2, AR275:2, AR171:2, AR219:2, AR104:2, AR232:1, AR253:1, AR211:1, AR210:1, AR242:1 L0766:5, H0313:3, H0624:1, H0265:1, H0556:1, S0116:1, H0329:1, H0486:1, H0156:1, H0590:1, H0009:1, S0250:1, H0169:1, S0450:1, S0002:1, L0769:1, L0793:1, L0532:1, L0750:1, L0777:1 and S0424:1.
322	HTXON32	838288	332	AR195:107, AR197:91, AR172:81, AR246:78, AR295:74, AR272:72, AR258:71, AR196:67, AR224:67, AR235:67, AR171:66, AR193:66, AR291:63, AR297:59, AR223:58, AR168:57, AR200:56, AR263:55, AR222:54, AR170:53, AR261:53, AR245:52, AR236:52, AR169:52, AR311:49, AR256:49, AR225:49, AR188:48, AR173:48, AR285:48, AR288:47, AR221:46, AR260:46, AR198:46, AR313:46, AR174:45, AR201:45, AR271:45, AR191:44, AR175:44, AR217:44, AR286:44, AR287:43, AR309:43, AR270:43, AR264:42, AR211:42, AR274:42, AR308:41, AR199:41, AR181:40, AR294:40, AR214:39, AR262:39, AR216:39, AR243:39, AR189:39, AR275:38, AR177:38, AR215:38, AR033:38, AR255:37, AR296:37, AR210:36, AR190:36, AR257:36, AR289:35, AR213:35, AR282:34, AR240:34, AR218:34, AR163:32, AR247:32, AR176:31, AR180:30, AR312:30, AR254:30, AR212:30, AR166:29, AR300:29, AR162:29, AR293:29, AR203:29, AR183:29, AR219:28, AR161:28, AR192:28, AR242:28, AR165:27, AR250:27, AR269:27, AR185:27, AR164:26, AR039:25, AR104:25, AR266:24, AR290:24, AR316:24, AR179:23, AR182:23, AR178:23, AR096:22, AR238:21, AR053:21, AR205:20, AR268:20, AR089:20, AR207:19, AR267:19, AR299:19, AR204:19, AR229:18, AR234:18, AR226:17, AR277:17, AR231:17, AR253:16, AR237:15, AR232:14, AR230:14, AR233:14, AR060:13, AR283:11, AR239:10, AR055:9, AR061:9, AR228:9, AR252:8, AR227:6 H0556:1
323	HUFBY15	1352349	333	AR310:36, AR309:31, AR312:30, AR052:28, AR265:24, AR213:15, AR273:14, AR249:13, AR263:12, AR313:12, AR251:12, AR248:12, AR274:10, AR053:10, AR315:10, AR253:9, AR280:8, AR314:8, AR219:7, AR096:6, AR218:6, AR089:6, AR299:6, AR316:5, AR192:5, AR271:5, AR186:4, AR039:4, AR282:4, AR206:4, AR244:3, AR300:3, AR185:3, AR247:3, AR252:3, AR198:3, AR060:3, AR205:3, AR202:3, AR281:2, AR275:2, AR246:2, AR055:2, AR104:2, AR183:2, AR225:2, AR180:2, AR240:2, AR215:2, AR199:2, AR264:2, AR277:2, AR243:2, AR033:2, AR176:2, AR061:1, AR161:1, AR272:1, AR214:1, AR193:1, AR169:1, AR175:1, AR261:1, AR283:1, AR178:1, AR297:1 L0794:5, H0036:3, S0360:2, S0442:1, S0476:1, H0014:1, S0314:1, L0772:1, L0646:1, L0764:1, L0803:1 and H0689:1.
324	HUFBY15 HUFCJ30	846380 638402	514 334	AR277:9, AR207:8, AR215:7, AR192:7, AR170:6, AR223:6, AR282:6, AR235:6, AR216:6, AR225:6, AR169:6, AR171:6, AR164:5, AR245:5, AR168:5, AR166:5, AR198:5, AR222:5, AR089:5, AR242:5, AR183:5, AR195:5, AR221:5, AR193:4, AR224:4, AR214:4, AR313:4, AR252:4, AR172:4, AR243:4, AR236:4, AR201:4, AR299:4, AR295:4, AR246:4, AR238:4, AR264:4, AR176:4, AR161:4, AR240:4, AR162:4, AR309:4, AR204:4, AR263:4, AR163:4, AR261:4, AR217:4, AR297:4, AR316:3, AR285:3, AR182:3, AR269:3, AR270:3, AR205:3, AR308:3, AR197:3, AR060:3, AR311:3, AR230:3, AR055:3, AR173:3, AR196:3, AR250:3, AR288:3, AR272:3, AR213:3, AR234:3, AR181:3, AR312:3, AR283:3, AR199:3, AR180:3, AR033:3, AR266:3, AR175:3, AR254:3, AR177:3, AR262:3, AR296:3, AR300:3, AR268:3, AR290:3, AR231:3,

325	HUKAH51	1352424	335	AR287:3, AR247:3, AR294:3, AR191:3, AR275:3, AR291:2, AR237:2, AR228:2, AR179:2, AR174:2, AR096:2, AR289:2, AR178:2, AR233:2, AR229:2, AR286:2, AR255:2, AR226:2, AR185:2, AR293:2, AR200:2, AR188:2, AR189:2, AR227:2, AR257:2, AR212:2, AR203:2, AR239:2, AR104:2, AR053:2, AR061:2, AR258:2, AR039:2, AR232:2, AR271:2, AR218:2, AR219:2, AR260:2, AR190:2, AR267:2, AR210:1, L0777:7, L0751:3, L0766:2, L0438:2, L0779:2, H0352:2, H0351:1, S0222:1, H0333:1, H0687:1, H0646:1, L0770:1, L0642:1, L0662:1, L0803:1, L0375:1, L0805:1, L0653:1, L0659:1, L0790:1, L0663:1, L0664:1, L0665:1 and H0506:1.
325	HUKAH51	1352424	335	AR039:323, AR104:317, AR055:287, AR060:230, AR185:220, AR089:214, AR300:199, AR282:174, AR240:174, AR316:160, AR096:135, AR277:128, AR299:121, AR283:108, AR219:95, AR218:82, AR313:81, S0410:26, L0777:13, S0444:6, L0439:5, L0731:5, S0358:4, S0440:4, L0766:4, L0748:4, L0758:4, H0661:3, S0442:3, S0408:3, H0393:3, H0574:3, H0038:3, H0616:3, S0438:3, H0509:3, L0794:3, L0438:3, S0406:3, L0779:3, S0360:2, H0050:2, H0510:2, H0266:2, S0003:2, H0032:2, H0040:2, H0634:2, L0764:2, L0655:2, S0374:2, L0588:2, H0624:1, H0171:1, S6024:1, S0134:1, S0001:1, H0742:1, H0730:1, H0722:1, H0411:1, H0331:1, H0485:1, H0486:1, H0575:1, H0204:1, T0115:1, H0150:1, H0014:1, H0083:1, S0214:1, H0615:1, H0169:1, H0124:1, H0598:1, H0059:1, H0646:1, H0529:1, L0772:1, L0648:1, L0649:1, L0803:1, L0774:1, L0805:1, L0809:1, L0791:1, S0052:1, H0144:1, H0659:1, S0328:1, S0330:1, S0146:1, H0478:1, S0026:1 and H0423:1.
	HUKAH51	1300737	515	
	HUKAH51	603538	516	
326	HUSXS50	1352367	336	AR253:15, AR270:12, AR184:11, AR268:11, AR226:11, AR182:10, AR096:10, AR060:10, AR248:10, AR219:9, AR269:9, AR313:8, AR238:8, AR290:8, AR284:8, AR218:8, AR240:8, AR232:8, AR296:7, AR104:7, AR265:7, AR285:7, AR299:7, AR251:7, AR298:7, AR249:7, AR316:7, AR039:7, AR231:6, AR237:6, AR267:6, AR286:6, AR234:6, AR033:6, AR179:6, AR292:6, AR247:6, AR089:6, AR233:5, AR229:5, AR294:5, AR277:5, AR185:5, AR183:5, AR291:5, AR300:5, AR295:5, AR280:5, AR289:4, AR266:4, AR175:4, AR282:4, AR310:4, AR177:4, AR293:4, AR055:4, AR315:4, AR241:3, AR309:3, AR314:3, AR312:3, AR053:3, AR061:3, AR277:3, AR186:3, AR213:2, AR052:2, AR274:2, AR258:1, AR259:1, AR283:1, L0748:36, L0747:14, L0731:10, L0439:8, S0116:7, H0031:7, L0766:7, H0521:7, H0305:6, H0616:6, L0659:6, L0759:6, L0591:6, H0265:5, H0556:5, S0474:5, H0038:5, L0740:5, L0750:5, H0657:4, H0581:4, H0050:4, H0641:4, L0770:4, L0776:4, L0665:4, H0144:4, H0547:4, H0436:4, L0754:4, L0752:4, H0543:4, H0013:3, H0251:3, H0199:3, H0040:3, H0634:3, H0551:3, H0623:3, S0344:3, S0210:3, L0662:3, L0774:3, L0666:3, L0663:3, L0438:3, S0031:3, H0542:3, H0422:3, S0040:2, H0656:2, H0580:2, S0476:2, H0550:2, H0592:2, H0618:2, H0421:2, H0024:2, H0510:2, H0328:2, H0622:2, H0644:2, S0036:2, H0163:2, H0591:2, H0059:2, T0041:2, H0560:2, S0440:2, S0002:2, L0369:2, L0638:2, L0761:2, L0764:2, L0649:2, L0803:2, L0805:2, H0539:2, L0745:2, L0749:2, L0756:2, S0436:2, L0588:2, L0604:2, L0362:2, L0361:2, H0136:2, L0615:1, H0686:1, H0255:1, H0664:1, H0589:1, H0638:1, S0420:1, S0356:1, S0376:1, H0722:1, S0468:1, S0045:1, H0393:1, H0640:1, S0300:1, L3388:1, H0351:1, S0278:1, H0549:1, H0431:1, H0392:1, H0409:1, H0642:1, H0574:1, H0559:1, T0039:1, L3655:1, T0109:1, H0069:1, H0635:1, H0253:1, S0010:1, S0346:1, L0040:1, H0123:1, L0471:1, H0047:1, H0197:1, T0003:1, H0015:1, S0051:1, H0267:1, H0179:1, H0687:1, H0290:1, S0250:1, H0039:1, T0006:1, H0674:1, L0456:1, H0068:1, H0376:1, H0063:1, T0067:1, H0264:1, H0413:1, L0564:1, S0438:1, S0144:1, H0529:1, L0769:1, L0646:1, L0800:1, L0767:1, L0768:1, L0794:1, L0650:1,

					L0806:1, L0606:1, L0661:1, L0540:1, L0382:1, L0809:1, L5622:1, L0788:1, L0664:1, H0703:1, S0374:1, L3811:1, S0126:1, H0659:1, H0670:1, H0660:1, H0672:1, S0328:1, H0522:1, S014:1, S0206:1, S0032:1, L0741:1, L0779:1, L0777:1, L0753:1, L0757:1, L0758:1, H0445:1, S0434:1, L0599:1, S0011:1, S0026:1, H0665:1, H0667:1, H0423:1 and H0721:1.
	HUSXS50	883176	517		
	HUSXS50	655372	518		
327	HUVEB53	571200	337		AR053:3, AR171:3, AR224:3, AR180:2, AR168:2, AR207:2, AR165:2, AR282:2, AR217:2, AR299:2, AR234:1, AR277:1, AR296:1, AR295:1, AR164:1, AR261:1, AR166:1, AR204:1, AR225:1, AR257:1, AR283:1, AR269:1, AR183:1 H0171:3, L0754:3, H0431:2, H0196:2, H0546:2, H0623:2, H0539:2, H0696:2, L0744:2, L0748:2, L0749:2, L0758:2, L0759:2, S0398:2, H0624:1, T0002:1, S0040:1, H0341:1, S0360:1, H0580:1, H0587:1, H0574:1, H0486:1, H0036:1, S0665:1, H0123:1, H0014:1, S6028:1, S0214:1, H0553:1, H0032:1, L0455:1, H0598:1, H0038:1, H0616:1, H0056:1, S0386:1, S0112:1, T0042:1, S0344:1, S0422:1, S0002:1, L0775:1, L0806:1, L0805:1, L0776:1, S0152:1, H0704:1, H0555:1, H0436:1, L0439:1, L0751:1, L0752:1, L0731:1, L0588:1, L0592:1, S0026:1, H0543:1 and H0423:1.
328	HWAAD63	838626	338		AR196:17, AR173:14, AR161:14, AR162:14, AR241:14, AR163:14, AR165:13, AR313:12, AR166:12, AR164:12, AR262:12, AR264:11, AR236:11, AR199:10, AR191:10, AR174:9, AR178:9, AR257:9, AR235:9, AR180:9, AR263:8, AR203:8, AR181:8, AR200:8, AR229:8, AR274:7, AR189:7, AR275:7, AR311:7, AR240:7, AR247:7, AR297:7, AR312:7, AR175:7, AR308:7, AR212:7, AR261:7, AR169:7, AR265:7, AR188:7, AR234:6, AR177:6, AR221:6, AR194:6, AR287:6, AR242:6, AR258:6, AR207:6, AR230:6, AR255:6, AR176:6, AR293:6, AR168:6, AR271:6, AR224:6, AR179:6, AR270:6, AR185:6, AR192:6, AR233:5, AR198:5, AR300:5, AR096:5, AR214:5, AR216:5, AR183:5, AR238:5, AR272:5, AR269:5, AR039:5, AR226:5, AR223:5, AR299:5, AR296:5, AR215:5, AR285:5, AR260:5, AR089:5, AR288:5, AR182:4, AR204:4, AR239:4, AR228:4, AR222:4, AR213:4, AR309:4, AR231:4, AR060:4, AR033:4, AR210:4, AR252:4, AR273:4, AR286:4, AR053:4, AR268:4, AR294:4, AR237:4, AR193:4, AR172:4, AR243:4, AR218:4, AR267:4, AR277:4, AR310:4, AR104:3, AR295:3, AR291:3, AR190:3, AR225:3, AR282:3, AR316:3, AR227:3, AR290:3, AR171:3, AR217:3, AR186:3, AR211:3, AR266:3, AR195:3, AR219:3, AR249:3, AR292:3, AR052:3, AR201:3, AR206:2, AR245:2, AR314:2, AR232:2, AR202:2, AR298:2, AR289:2, AR315:2, AR256:2, AR244:2, AR259:2, AR205:2, AR246:2, AR061:1, AR184:1, AR284:1, AR280:1, AR283:1, AR055:1 H0441:1, H0581:1 and H0604:1.
	HWAAD63	833089	519		
	HWAAD63	793875	520		
329	HWABY10	768334	339		AR218:148, AR313:134, AR219:132, AR240:123, AR316:100, AR096:88, AR089:84, AR282:67, AR277:66, AR283:61, AR300:59, AR060:58, AR299:57, AR039:54, AR185:47, AR104:32, AR055:30 H0521:8, L0756:6, L0455:5, L0770:5, L0752:5, L0757:5, H0581:4, H0457:4, L0769:4, L0655:4, L0731:4, H0686:3, S0442:3, L0659:3, L0666:3, H0658:3, L0439:3, L0747:3, L0749:3, H0445:3, S0436:3, L0588:3, H0542:3, H0584:2, H0716:2, H0580:2, H0251:2, H0546:2, H0413:2, L3904:2, L5565:2, L0761:2, L0772:2, L0794:2, L0652:2, L0776:2, L0657:2, L5622:2, L0663:2, L0438:2, H0689:2, L0745:2, L0590:2, L0581:2, L0599:2, H0265:1, H0167:1, S0114:1, H0656:1, S0212:1, H0661:1, H0306:1, L0562:1, S0356:1, S0360:1, H0728:1, S0045:1, S0046:1, H0749:1, S0476:1, H0393:1, H0462:1, H0392:1,

330	HWADJ89	799506	340	<p>H0592:1, H0486:1, H0013:1, T0082:1, H0618:1, T0048:1, H0318:1, H0421:1, H0052:1, H0544:1, H0545:1, H0150:1, T0010:1, S6028:1, H0271:1, H0416:1, T0023:1, H0617:1, H0169:1, H0068:1, L0351:1, H0494:1, H0396:1, S0344:1, S0210:1, L0446:1, L0763:1, L3905:1, L5566:1, L0667:1, L0372:1, L0644:1, L0771:1, L0648:1, L0662:1, L0768:1, L0774:1, L0805:1, L0809:1, L5623:1, L0665:1, H0519:1, H0593:1, H0435:1, H0672:1, L0602:1, S0152:1, H0522:1, S0406:1, L0786:1, L0779:1, L0780:1, L0759:1, H0668:1 and H0667:1.</p> <p>AR252:29, AR250:29, AR253:21, AR254:10, AR282:6, AR215:6, AR165:5, AR164:5, AR166:5, AR089:5, AR161:5, AR246:5, AR162:5, AR271:5, AR240:5, AR053:5, AR163:5, AR263:4, AR243:4, AR274:4, AR195:4, AR205:4, AR313:4, AR096:4, AR299:4, AR180:4, AR213:4, AR193:4, AR214:4, AR169:4, AR300:4, AR311:4, AR264:4, AR192:4, AR173:4, AR207:4, AR312:3, AR285:3, AR171:3, AR309:3, AR060:3, AR275:3, AR308:3, AR196:3, AR272:3, AR316:3, AR269:3, AR257:3, AR261:3, AR170:3, AR270:3, AR183:3, AR242:3, AR245:3, AR296:3, AR199:3, AR287:3, AR295:3, AR175:3, AR033:3, AR172:3, AR222:2, AR188:2, AR039:2, AR185:2, AR290:2, AR286:2, AR247:2, AR238:2, AR191:2, AR297:2, AR178:2, AR268:2, AR291:2, AR262:2, AR200:2, AR235:2, AR104:2, AR283:2, AR212:2, AR210:2, AR288:2, AR203:2, AR201:2, AR174:2, AR277:2, AR182:2, AR197:2, AR189:2, AR255:2, AR294:2, AR229:2, AR230:2, AR293:2, AR258:2, AR216:2, AR236:2, AR224:2, AR181:2, AR190:2, AR239:2, AR228:2, AR227:2, AR233:2, AR234:1, AR177:1, AR231:1, AR179:1, AR061:1, AR266:1, AR055:1, AR226:1, AR221:1, AR289:1, AR232:1 H0581:1</p>
331	HWBCB89	1093347	341	<p>AR207:18, AR222:18, AR283:17, AR214:17, AR263:16, AR224:16, AR169:16, AR089:15, AR316:14, AR277:13, AR172:13, AR195:13, AR171:12, AR219:12, AR225:12, AR096:12, AR218:12, AR168:12, AR282:11, AR235:11, AR055:11, AR245:11, AR221:11, AR217:11, AR053:11, AR313:11, AR104:11, AR192:11, AR311:11, AR170:11, AR264:10, AR165:10, AR213:10, AR299:10, AR215:10, AR166:10, AR164:10, AR246:10, AR216:9, AR271:9, AR163:9, AR308:9, AR161:9, AR162:9, AR197:9, AR212:9, AR198:9, AR252:9, AR240:8, AR039:8, AR309:8, AR060:8, AR185:8, AR295:8, AR210:8, AR300:8, AR275:8, AR205:8, AR261:7, AR211:7, AR312:7, AR193:7, AR242:7, AR177:7, AR201:7, AR196:7, AR033:7, AR288:6, AR236:6, AR272:6, AR243:6, AR268:6, AR174:6, AR181:5, AR173:5, AR176:5, AR285:5, AR274:5, AR266:5, AR291:5, AR238:5, AR297:5, AR229:5, AR204:5, AR286:5, AR270:5, AR296:5, AR175:5, AR189:5, AR289:5, AR191:4, AR247:4, AR188:4, AR257:4, AR199:4, AR178:4, AR226:4, AR269:4, AR232:4, AR267:4, AR183:4, AR290:4, AR239:4, AR190:4, AR254:4, AR293:4, AR231:4, AR262:4, AR258:4, AR294:3, AR234:3, AR200:3, AR287:3, AR255:3, AR237:3, AR182:3, AR250:3, AR260:3, AR230:3, AR227:3, AR061:3, AR179:3, AR180:3, AR203:3, AR233:3, AR256:2, AR228:2, AR253:1 L0777:6, L0766:4, H0090:3, L0759:3, H0657:2, S0360:2, H0318:2, L0471:2, H0031:2, L0659:2, L0740:2, L0747:2, L0750:2, L0758:2, H0170:1, H0556:1, H0656:1, H0341:1, S0418:1, H0637:1, H0580:1, H0411:1, H0549:1, H0333:1, H0013:1, H0599:1, H0581:1, H0545:1, H0012:1, S0003:1, H0135:1, H0551:1, H0488:1, H0059:1, H0647:1, L0520:1, L0763:1, L0769:1, L4556:1, L0806:1, L0805:1, L0647:1, L0789:1, L0663:1, H0144:1, S3012:1, L0748:1, L0749:1, L0731:1, L0757:1, H0653:1, H0543:1, H0423:1 and H0352:1.</p>
332	HWBCB89 HWBFX31	886210 799427	521 342	<p>AR171:3, AR309:2, AR271:2, AR282:2, AR225:2, AR205:2, AR267:2, AR213:2, AR257:2, AR236:2, AR053:1, AR266:1, AR179:1, AR199:1, AR270:1, AR214:1, AR181:1, AR240:1, AR247:1, AR277:1 L0659:5, L0794:4, L0809:4, L0777:4, H0424:3, L0766:3, L0745:3, H0265:2, H0254:2, H0656:2, S0376:2, H0457:2, H0024:2, L0768:2, H0670:2, H0555:2, L0751:2, L0780:2, H0556:1, H0218:1, H0224:1, H0638:1, S0360:1, H0675:1, S0408:1, H0580:1, H0586:1,</p>

					H0575:1, H0545:1, H0050:1, H0188:1, H0252:1, H0039:1, H0617:1, H0316:1, H0063:1, H0087:1, H0264:1, H0272:1, H0652:1, S0002:1, S0426:1, L0763:1, L0770:1, L0761:1, L0800:1, L0773:1, L0648:1, L0662:1, L0774:1, L0776:1, L0647:1, L0790:1, L0666:1, L0664:1, L0665:1, L0438:1, H0521:1, H0522:1, L0749:1, L0750:1, L0752:1, L0757:1, L0759:1, L0596:1, H0422:1, S0458:1 and H0677:1.
333	HWDH38	1028519	343		AR313:6, AR198:5, AR217:5, AR039:5, AR089:5, AR224:4, AR162:4, AR299:4, AR242:4, AR274:4, AR180:4, AR215:4, AR193:3, AR195:3, AR165:3, AR272:3, AR166:3, AR164:3, AR163:3, AR185:3, AR245:3, AR161:3, AR264:3, AR197:3, AR196:3, AR173:3, AR225:3, AR271:3, AR226:3, AR096:3, AR230:3, AR293:2, AR204:2, AR207:2, AR246:2, AR300:2, AR243:2, AR175:2, AR237:2, AR308:2, AR316:2, AR269:2, AR203:2, AR205:2, AR188:2, AR212:2, AR291:2, AR060:2, AR178:2, AR277:2, AR033:2, AR236:2, AR179:2, AR312:2, AR288:2, AR247:2, AR229:2, AR174:2, AR270:2, AR218:2, AR282:2, AR199:2, AR183:2, AR213:1, AR233:1, AR214:1, AR262:1, AR240:1, AR221:1, AR201:1, AR104:1, AR219:1, AR234:1, AR285:1, AR253:1, AR177:1, AR258:1, AR268:1 H0600:1
	HWDH38	889281	522		
334	HWHGZ51	886212	344		AR283:18, AR089:18, AR316:16, AR282:16, AR060:15, AR277:15, AR104:13, AR202:13, AR246:12, AR241:12, AR281:11, AR194:11, AR240:11, AR055:11, AR096:10, AR299:10, AR039:10, AR219:9, AR206:9, AR218:9, AR205:8, AR313:8, AR315:8, AR185:8, AR243:7, AR204:7, AR300:7, AR265:6, AR280:6, AR192:6, AR263:6, AR244:6, AR271:5, AR198:5, AR266:5, AR247:5, AR289:5, AR284:5, AR285:5, AR314:5, AR295:5, AR273:5, AR296:4, AR291:4, AR310:4, AR213:4, AR182:4, AR232:4, AR269:4, AR183:4, AR275:4, AR294:4, AR267:3, AR033:3, AR177:3, AR312:3, AR268:3, AR298:3, AR270:3, AR229:3, AR286:3, AR184:3, AR309:3, AR238:3, AR175:3, AR053:3, AR227:3, AR234:3, AR274:3, AR052:3, AR290:3, AR231:3, AR186:2, AR293:2, AR237:2, AR251:2, AR226:2, AR292:2, AR248:2, AR256:2, AR233:2, AR259:2, AR258:2, AR253:2, AR061:2, AR179:1 S0132:8, L2522:8, H0264:8, H0586:7, L0747:6, S0476:5, S0330:5, L0755:5, L0751:4, L0581:4, L5623:3, H0188:2, H0031:2, H0494:2, L0776:2, L0809:2, H0696:2, L0731:2, H0556:1, H0295:1, H0177:1, H0638:1, H0370:1, H0592:1, H0587:1, H0486:1, L2539:1, L0021:1, H0081:1, H0271:1, H0181:1, H0617:1, H0380:1, L0653:1, L0659:1, L0783:1, L5622:1, L0789:1, L0791:1, S0328:1, L0752:1, L0601:1 and L3603:1.
335	HWLIH65	793713	345		AR061:97, AR231:60, AR238:60, AR237:58, AR234:57, AR202:53, AR194:53, AR281:48, AR226:44, AR315:42, AR206:39, AR280:38, AR244:37, AR227:35, AR241:31, AR229:31, AR314:30, AR248:26, AR232:25, AR284:23, AR283:22, AR265:22, AR266:21, AR310:20, AR263:19, AR292:19, AR033:18, AR298:17, AR184:17, AR192:17, AR246:17, AR243:17, AR096:17, AR233:15, AR295:15, AR177:15, AR282:15, AR198:13, AR186:13, AR267:13, AR299:13, AR273:12, AR316:12, AR104:12, AR296:12, AR251:12, AR291:12, AR249:12, AR247:12, AR219:12, AR300:12, AR313:12, AR277:12, AR285:11, AR289:11, AR205:11, AR039:11, AR213:11, AR052:11, AR240:10, AR218:10, AR259:10, AR286:10, AR312:8, AR271:8, AR089:7, AR275:7, AR294:7, AR185:7, AR256:7, AR290:7, AR274:7, AR183:8, AR309:8, AR053:8, AR312:8, AR271:8, AR089:7, AR275:7, AR294:7, AR185:7, AR256:7, AR290:7, AR274:7, AR293:6, AR258:6, AR060:5, AR179:4, AR165:3, AR161:3, AR162:3, AR264:3, AR163:3, AR195:3, AR164:3, AR166:3, AR308:3, AR215:3, AR212:3, AR221:3, AR272:3, AR214:2, AR199:2, AR223:2, AR201:2, AR176:2, AR224:2, AR217:1, AR210:1, AR172:1, AR311:1, AR257:1, AR171:1, AR297:1, AR196:1, AR245:1, AR189:1 L0774:3, H0521:3, L0777:3, S0356:2, S0408:2, H0124:2, H0494:2, L0766:2, L0666:2, L0751:2, L0596:2, S0040:1, H0294:1, S0430:1, H0656:1, S0358:1, S0360:1, H0729:1, H0645:1, H0586:1, H0587:1, H0632:1, H0590:1, L0045:1, S0003:1, H0316:1, H0598:1,

336	HTEAM34	898364	346	S0036:1, H0591:1, L0564:1, H0560:1, H0509:1, H0641:1, S0002:1, L0640:1, L0662:1, L0775:1, L0655:1, L0659:1, L0783:1, L5622:1, L0663:1, L2653:1, H0701:1, H0689:1, H0672:1, H0539:1, S0406:1, L0439:1, L0749:1, L0786:1, S0434:1, S0436:1, H0543:1, S0424:1 and S0446:1.
				AR225:7, AR161:5, AR162:5, AR269:5, AR163:5, AR055:5, AR060:5, AR264:4, AR309:4, AR181:4, AR165:4, AR214:4, AR228:4, AR263:4, AR180:4, AR176:4, AR164:4, AR266:4, AR233:4, AR275:4, AR268:4, AR166:4, AR270:4, AR257:4, AR172:4, AR236:4, AR267:4, AR274:4, AR229:4, AR237:4, AR217:4, AR182:4, AR215:4, AR261:3, AR240:3, AR179:3, AR300:3, AR216:3, AR177:3, AR272:3, AR311:3, AR195:3, AR231:3, AR239:3, AR294:3, AR173:3, AR293:3, AR183:3, AR287:3, AR252:3, AR277:3, AR223:3, AR196:3, AR288:3, AR175:3, AR255:3, AR296:3, AR291:3, AR285:3, AR286:3, AR061:3, AR289:3, AR235:3, AR178:3, AR185:3, AR308:3, AR218:3, AR262:3, AR234:3, AR191:3, AR247:3, AR224:3, AR230:3, AR290:2, AR096:2, AR222:2, AR207:2, AR089:2, AR313:2, AR295:2, AR170:2, AR282:2, AR193:2, AR316:2, AR226:2, AR200:2, AR174:2, AR297:2, AR190:2, AR188:2, AR232:2, AR238:2, AR203:2, AR171:2, AR299:2, AR283:2, AR245:2, AR189:2, AR258:2, AR260:2, AR104:2, AR227:2, AR312:2, AR168:2, AR199:1, AR256:1, AR039:1, AR033:1, AR211:1, AR169:1, AR210:1, AR219:1 L0758:5, L0794:4, H0618:2, H0038:2 and H0616:1.
	HTEAM34	570049	523	

Table 1C summarizes additional polynucleotides encompassed by the invention (including cDNA clones related to the sequences (Clone ID:), contig sequences (contig identifier (Contig ID:), contig nucleotide sequence identifiers (SEQ ID NO:X)), and genomic sequences (SEQ ID NO:B).

- 5 The first column provides a unique clone identifier, "Clone ID:", for a cDNA clone related to each contig sequence. The second column provides the sequence identifier, "SEQ ID NO:X", for each contig sequence. The third column provides a unique contig identifier, "Contig ID:" for each contig sequence. The fourth column, provides a BAC identifier "BAC ID NO:A" for the BAC clone referenced in the corresponding row of the table. The fifth column provides the nucleotide
- 10 sequence identifier, "SEQ ID NO:B" for a fragment of the BAC clone identified in column four of the corresponding row of the table. The sixth column, "Exon From-To", provides the location (i.e., nucleotide position numbers) within the polynucleotide sequence of SEQ ID NO:B which delineate certain polynucleotides of the invention that are also exemplary members of polynucleotide sequences that encode polypeptides of the invention (e.g., polypeptides containing
- 15 amino acid sequences encoded by the polynucleotide sequences delineated in column six, and fragments and variants thereof).

Table 1C

cDNA Clone ID	SEQ ID NO:X	CONTIG ID:	BAC ID: A	SEQ ID NO:B	EXON From-To
HAUAI83	33	639009	AC010422	1037	1-326 1552-2084 2162-2261 2300-2427 4485-5868 5948-6362 7914-8017 8569-8681 8765-8875 8968-9037 9284-9499 9742-9910 10837-11187 11271-11321 11554-11707 11783-12766 12866-13225 13256-13827 14284-14367 14890-15090
HAUAI83	33	639009	AC018761	1038	1-326 1176-1284 1552-2084 2162-2261 2300-2426

					4485-5868 5948-6362 8569-8681 8765-8875 8968-9037 9284-9499 9742-9910 10317-10501 10837-11187 11271-11321 11554-11707 11783-12766 12866-13225 13256-13827 14284-14367 14890-15090
HAUAI83	33	639009	AC010422	1039	1-315 2004-2289 2650-2741 3554-3830
HAUAI83	33	639009	AC010422	1040	1-202 938-1047 1219-1395 1758-1956 2907-3429 3792-3935 5366-5485 6391-6688 6899-7269 7890-8316 8400-8524 8607-8682 8824-8999 9190-9302 9691-9796 10106-10177 10571-11051 11164-11490 12565-12696 13364-13501 13964-14592 14740-15540 15610-15798 15947-16642 16717-16832 16968-17408 17521-17612 18331-18579 19120-19303 19358-19514 19599-19702 20003-20245
HAUAI83	33	639009	AC018761	1041	1-202 938-1047 1219-1395

					1758-1956 2907-3429 3792-3935 5366-5485 6391-6688 6899-7269 7591-7711 7890-8316 8400-8524 8607-8682 8749-9073 9190-9302 9691-9796
HAUAI83	33	639009	AC018761	1042	1-82 128-293 1178-1447 1986-2278 2457-2711 3543-3844
HBINS58	37	1352386	AL096774	1043	1-1023 2010-2239 2581-2962 3153-3223 3324-3493 3973-4126
HBINS58	37	1352386	AL096774	1044	1-341
HBINS58	37	1352386	AL096774	1045	1-142
HCE3G69	43	728432	AC068946	1046	1-108 1186-1324 1746-1835 2138-2284 2448-2545 2718-2861 3091-5889
HCE3G69	43	728432	AC068946	1047	1-191
HCE3G69	43	728432	AC068946	1048	1-686
HCEFB80	45	1143407	AL022327	1049	1-2271 3506-3658 4643-4810 9039-9164 9382-9509 10587-10720 11135-11195 11265-11716 14644-15466 17451-17526 18012-18114 20530-20632 20957-21009 23696-23785 25338-25575 25969-26166
HCNDR47	51	1016919	AL122003	1050	1-236 531-696

					787-817 863-4508 5158-5744 6949-7029
HCNDR47	51	1016919	AL122003	1051	1-888 1304-2003 2830-3284 3719-4571 4618-5268 6131-6557 8947-9033 9058-9726 14176-14480 18456-18915 18960-19871 22365-22454 23082-23248 28058-28215
HCWGU37	59	1042325	AC007459	1052	1-242
HCWGU37	59	1042325	AC022435	1053	1-218 5587-5754
HCWGU37	59	1042325	AC022051	1054	1-294
HCWGU37	59	1042325	AC023672	1055	1-196
HCWGU37	59	1042325	AC011101	1056	1-100
HCWGU37	59	1042325	AC034243	1057	1-312 2334-2364
HCWGU37	59	1042325	AC010454	1058	1-218 5588-5755
HCWGU37	59	1042325	AC026144	1059	1-183
HCWGU37	59	1042325	AC009691	1060	1-292
HCWGU37	59	1042325	AL354696	1061	1-181
HCWGU37	59	1042325	AC073219	1062	1-123
HCWGU37	59	1042325	AC027414	1063	1-270
HCWGU37	59	1042325	AC010454	1064	1-303
HDPGT01	71	771583	AC020978	1065	1-180 2776-2899 3916-4077 4296-4335 4436-4632 4895-5181 8153-8246 9547-9666 9907-10007 10370-10618 10788-11046 11926-13423 13465-13494 13764-15689
HDPGT01	71	771583	AC020978	1066	1-384
HDPSB18	79	1043263	AL355512	1067	1-2572 3049-3871
HDPSB18	79	1043263	AC006176	1068	1-2571 3048-3872
HDPSB18	79	1043263	AL355512	1069	1-280

HDPWN93	85	992925	AC004590	1070	1-276 489-591 866-988 1106-1281 1323-1444 1632-1799 1866-2016 2109-2313 2634-3205 3360-3472 3528-3744 3820-5006 6580-6919 7076-7276 8057-8153 8318-8680
HDPWN93	85	992925	AC021491	1071	1-275 488-590 865-987 1105-1280 1322-1443 1631-1798 1865-2015 2108-2312 2633-3204 3359-3471 3527-3743 3819-5005 6579-6918 7075-7275 8054-8150 8315-8677
HDPWN93	85	992925	AC004590	1072	1-303 727-1252 5721-5846
HDPWN93	85	992925	AC021491	1073	1-303 727-1253 5723-5848
HDPXY01	86	879048	AL354000	1074	1-1319 4848-4975 5229-5600 6561-6654
HDPXY01	86	879048	AL035362	1075	1-1316 4844-4971 5225-5596 6557-6650
HDPXY01	86	879048	AL354000	1076	1-460
HDPXY01	86	879048	AL354000	1077	1-400
HDPXY01	86	879048	AL035362	1078	1-400
HDPXY01	86	879048	AL035362	1079	1-460
HFVGE32	118	854545	AL160269	1080	1-1122
HFVGE32	118	854545	AL138754	1081	1-1120
HHGCG53	133	340818	AC024037	1082	1-518
HHGCM76	134	662329	AC003665	1083	1-70

					304-609 900-1090 1240-1835 2272-2490 2581-3598
HHGCM76	134	662329	AC003665	1084	1-580 851-995 1224-1296 1314-1663 1930-1975 2724-2905 2968-3098 3283-3328 5121-5230 5331-5689
HJACG30	143	895505	AC018512	1085	1-776
HJACG30	143	895505	AC022305	1086	1-878
HJACG30	143	895505	AC002518	1087	1-150
HLTIP94	180	1087335	AC007431	1088	1-1299
HLTIP94	180	1087335	AC007431	1089	1-330
HMSDL37	199	973996	AC012086	1090	1-3328
HMSDL37	199	973996	AC018811	1091	1-3051
HMSDL37	199	973996	AC018494	1092	1-3029
HMSDL37	199	973996	AC012086	1093	1-224
HMSDL37	199	973996	AC012086	1094	1-468
HMSDL37	199	973996	AC018811	1095	1-222
HMSDL37	199	973996	AC018811	1096	1-468
HMSDL37	199	973996	AC018494	1097	1-224
HMSDL37	199	973996	AC018494	1098	1-1854
HNGBC07	217	1037631	AL022339	1099	1-1583
HNGOI12	225	1041375	AC003675	1100	1-2128
HNGOI12	225	1041375	AC001228	1101	1-2129
HNGOI12	225	1041375	AC013791	1102	1-2132
HNHFM14	230	664507	AC020552	1103	1-290
HNHFM14	230	664507	AC020552	1104	1-96
HPICB53	258	1042309	AC002351	1105	1-82 959-2236
HPICB53	258	1042309	AC020997	1106	1-1329
HPICB53	258	1042309	AC002351	1107	1-115
HPICB53	258	1042309	AC020997	1108	1-201 1064-1126 1665-2153 2308-3502
HPJBK12	260	1011467	AC022033	1109	1-2649
HPJBK12	260	1011467	AC013541	1110	1-2649
HPJBK12	260	1011467	AC022033	1111	1-190
HPJBK12	260	1011467	AC013541	1112	1-190
HPRAL78	263	1352342	AC007783	1113	1-2334 2508-3084 3578-3890 4198-4294 4376-4623 4712-5349

					5369-6088 6527-7107 7298-7392 7730-7846 9147-9476 10487-10575 10791-11298 11485-11601 11783-13009 13207-13501 13540-13772 14439-14800 14923-14983 15133-15355 15485-15653 16750-16805 16894-17078 17162-17219 18003-18089 21085-21146 21358-21501
HPRAL78	263	1352342	AC007783	1114	1-308
HPRAL78	263	1352342	AC007783	1115	1-1024
HRGBL78	272	910133	AL359541	1116	1-254 2777-3307 3670-3823 4113-4385 4844-5381 5995-7365
HSAWD74	278	460527	AC004951	1117	1-1651 1740-2593
HSAWD74	278	460527	AC004951	1118	1-149
HSAWD74	278	460527	AC004951	1119	1-5057 5082-8353 8404-8996
HTHBG43	312	919911	AL139257	1120	1-36 130-201 330-753 1823-2214 2331-2440 2728-2834 2920-3028 3370-3514 4153-5236 5877-6744 6813-7124 8441-9280 9527-9953 10394-10536 10945-11362 11763-11843 12653-12953 13970-14183 14223-14726

					15929-16299 16328-16751 17791-18093 18095-18712 18754-24628 24879-25426
HTHBG43	312	919911	AL139257	1121	1-286
HTLIV19	317	1046341	AC055750	1122	1-964
HTLIV19	317	1046341	AC027463	1123	1-964
HTLIV19	317	1046341	AC055750	1124	1-236
HTLIV19	317	1046341	AC027463	1125	1-236
HTOIZ02	321	826312	AC023146	1126	1-2101 3106-3722
HTOIZ02	321	826312	AC023146	1127	1-278
HTPCS72	323	854941	AL008639	1128	1-106 1457-1595 1666-2484 2910-3006 3705-4147 4768-5141 5304-5536 5746-5874 7114-7241 7468-7711 7963-8746 9438-12408 12884-14976
HTPCS72	323	854941	AL008639	1129	1-720
HTPIH83	324	919916	AL158821	1130	1-1862 1880-3126

Table 1D: The polynucleotides or polypeptides, or agonists or antagonists of the present invention can be used in assays to test for one or more biological activities. If these polynucleotides and polypeptides do exhibit activity in a particular assay, it is likely that these molecules may be involved in the diseases associated with the biological activity. Thus, the polynucleotides or polypeptides, or agonists or antagonists could be used to treat the associated disease.

The present invention encompasses methods of detecting, preventing, diagnosing, prognosticating, treating, and/or ameliorating a disease or disorder. In preferred embodiments, the present invention encompasses a method of treating a cardiovascular disease or disorder comprising administering to a patient in which such detection, treatment, prevention, and/or amelioration is desired a protein, nucleic acid, or antibody of the invention (or fragment or variant thereof) in an amount effective to detect, prevent, diagnose, prognosticate, treat, and/or ameliorate the cardiovascular disease or disorder.

In another embodiment, the present invention also encompasses methods of detecting, preventing, diagnosing, prognosticating, treating, and/or ameliorating a cardiovascular disease or disorder; comprising administering to a patient combinations of the proteins, nucleic acids, or antibodies of the invention (or fragments or variants thereof), sharing similar indications as shown in the corresponding rows in Column 3 of Table 1D.

Table 1D provides information related to biological activities for polynucleotides and polypeptides of the invention (including antibodies, agonists, and/or antagonists thereof). Table 1D also provides information related to assays which may be used to test polynucleotides and polypeptides of the invention (including antibodies, agonists, and/or antagonists thereof) for the corresponding biological activities. The first and second columns of Table 1D show the "Gene No." and "cDNA Clone ID No.", respectively, indicating certain nucleic acids and proteins (or antibodies against the same) of the invention (including polynucleotide, polypeptide, and antibody fragments or variants thereof) that may be used in detecting, diagnosing, preventing, treating, or ameliorating the disease(s) or disorder(s) indicated in column 6 and as indicated in the corresponding row in the "Disease Class" or "Preferred Indication" Columns of Table 1E. The third column ("AA SEQ ID NO:Y") indicates the Sequence Listing SEQ ID Number for polypeptide sequences encoded by the corresponding cDNA clones (also as indicated in Tables 1A, Table 1B, and Table 2). The fourth column ("Biological Activity") indicates a biological activity corresponding to the indicated polypeptides (or polynucleotides encoding said polypeptides). The fifth column ("Exemplary Activity Assay") further describes the corresponding biological activity and also provides information pertaining to the various types of assays which may be performed to test, demonstrate, or quantify the corresponding biological activity.

Table 1D describes the use of, inter alia, FMAT technology for testing or demonstrating various biological activities. Fluorometric microvolume assay technology (FMAT) is a fluorescence-based system which provides a means to perform nonradioactive cell- and bead-based assays to detect activation of cell signal transduction pathways. This technology was designed specifically for ligand binding and immunological assays. Using this technology, fluorescent cells or beads at the bottom of the well are detected as localized areas of concentrated fluorescence using a data processing system. Unbound fluorophore comprising the background signal is ignored, allowing for a wide variety of homogeneous assays. FMAT technology may be used for peptide ligand binding assays, immunofluorescence, apoptosis, cytotoxicity, and bead-based immunocapture assays. *See*, Miraglia S et. al., "Homogeneous cell and bead based assays for highthroughput screening using fluorometric microvolume assay technology," *Journal of Biomolecular Screening*; 4:193-204 (1999). In particular, FMAT technology may be used to test, confirm, and/or identify the ability of polypeptides (including polypeptide fragments and variants)

to activate signal transduction pathways. For example, FMAT technology may be used to test, confirm, and/or identify the ability of polypeptides to upregulate production of immunomodulatory proteins (such as, for example, interleukins, GM-CSF, Rantes, and Tumor Necrosis factors, as well as other cellular regulators (e.g. insulin)).

5 Table 1D also describes the use of kinase assays for testing, demonstrating, or quantifying biological activity. In this regard, the phosphorylation and de-phosphorylation of specific amino acid residues (e.g. Tyrosine, Serine, Threonine) on cell-signal transduction proteins provides a fast, reversible means for activation and de-activation of cellular signal transduction pathways. Moreover, cell signal transduction via phosphorylation/de-phosphorylation is crucial to
10 the regulation of a wide variety of cellular processes (e.g. proliferation, differentiation, migration, apoptosis, etc.). Accordingly, kinase assays provide a powerful tool useful for testing, confirming, and/or identifying polypeptides (including polypeptide fragments and variants) that mediate cell signal transduction events via protein phosphorylation. See e.g., Forrer, P., Tamaskovic R., and Jaussi, R. "Enzyme-Linked Immunosorbent Assay for Measurement of JNK, ERK, and p38 Kinase
15 Activities" Biol. Chem. 379(8-9): 1101-1110 (1998).

Table 1D

Gene No.	cDNA Clone ID	AA SEQ ID NO: Y	Biological Activity	Exemplary Activity Assay	Preferred Indication
1	H2CBU83	527	Stimulation of insulin secretion from pancreatic beta cells.	Assays for measuring secretion of insulin are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to stimulate insulin secretion. For example, insulin secretion is measured by FMAT using anti-rat insulin antibodies. Insulin secretion from pancreatic beta cells is upregulated by glucose and also by certain proteins/peptides, and dysregulation is a key component in diabetes. Exemplary assays that may be used or routinely modified to test for stimulation of insulin secretion (from pancreatic cells) by polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in: Ahren, B., et al.,	A highly preferred indication is diabetes mellitus. An additional highly preferred indication is a complication associated with diabetes (e.g., diabetic retinopathy, diabetic nephropathy, kidney disease (e.g., renal failure, nephropathy and/or other diseases and disorders as described in the "Renal Disorders" section below), diabetic neuropathy, nerve disease and nerve damage (e.g., due to diabetic neuropathy), blood vessel blockage, heart disease, stroke, impotence (e.g., due to diabetic neuropathy or blood vessel blockage), seizures, mental confusion, drowsiness, nonketotic hyperglycemic-hyposmolar coma, cardiovascular disease (e.g., heart disease, atherosclerosis, microvascular disease, hypertension, stroke, and other diseases and disorders as

				<p>Am J Physiol, 277(4 Pt 2):R959-66 (1999); Li, M., et al., Endocrinology, 138(9):3735-40 (1997); Kim, K.H., et al., FEBS Lett, 377(2):237-9 (1995); and, Miraglia S et. al., Journal of Biomolecular Screening, 4:193-204 (1999), the contents of each of which is herein incorporated by reference in its entirety. Pancreatic cells that may be used according to these assays are publicly available (e.g., through the ATCC) and/or may be routinely generated. Exemplary pancreatic cells that may be used according to these assays include rat INS-1 cells. INS-1 cells are a semi-adherent cell line established from cells isolated from an X-ray induced rat transplantable insulinoma. These cells retain characteristics typical of native pancreatic beta cells including glucose inducible insulin secretion. References: Asfari et al. Endocrinology 1992 130:167.</p>	<p>described in the "Cardiovascular Disorders" section below), dyslipidemia, endocrine disorders (as described in the "Endocrine Disorders" section below), neuropathy, vision impairment (e.g., diabetic retinopathy and blindness), ulcers and impaired wound healing, and infection (e.g., infectious diseases and disorders as described in the "Infectious Diseases" section below, especially of the urinary tract and skin), carpal tunnel syndrome and Dupuytren's contracture). An additional highly preferred indication is obesity and/or complications associated with obesity. Additional highly preferred indications include weight loss or alternatively, weight gain. Additional highly preferred indications are complications associated with insulin resistance.</p>
--	--	--	--	---	--

H2MAC30	528	<p>Activation of transcription through serum response element in immune cells (such as T-cells).</p>	<p>Assays for the activation of transcription through the Serum Response Element (SRE) are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate the serum response factors and modulate the expression of genes involved in growth. Exemplary assays for transcription through the SRE that may be used or routinely modified to test SRE activity of the polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); and Black et al., Virus Genes 12(2):105-117 (1997), the content of each of which are</p>	<p>A preferred embodiment of the invention includes a method for inhibiting (e.g., reducing) TNF alpha production. An alternative preferred embodiment of the invention includes a method for stimulating (e.g., increasing) TNF alpha production. Preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"), Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, Crohn's disease, multiple sclerosis and/or as described below), immunodeficiencies (e.g., as described below), boosting a T cell-mediated immune response, and suppressing a T cell-mediated immune response. Additional highly preferred indications include inflammation and inflammatory disorders, and</p>
---------	-----	--	---	---

				<p>herein incorporated by reference in its entirety. T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary mouse T cells that may be used according to these assays include the CTLL cell line, which is an IL-2 dependent suspension culture of T cells with cytotoxic activity.</p>	<p>treating joint damage in patients with rheumatoid arthritis. An additional highly preferred indication is sepsis. Highly preferred indications include neoplastic diseases (e.g., leukemia, lymphoma, and/or as described below under "Hyperproliferative Disorders"). Additionally, highly preferred indications include neoplasms and cancers, such as, for example, leukemia, lymphoma, melanoma, glioma (e.g., malignant glioma), solid tumors, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL),</p>
--	--	--	--	---	--

					<p>plasmacytomas, multiple myeloma, Burkitt's lymphoma, arthritis, AIDS, granulomatous disease, inflammatory bowel disease, neutropenia, neutrophilia, psoriasis, suppression of immune reactions to transplanted organs and tissues, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, Lyme Disease, cardiac reperfusion injury, and asthma and allergy. An additional preferred indication is infection (e.g., an infectious disease as described below under "Infectious Disease").</p>
	H2MAC30	528	<p>Activation of JNK Signaling Pathway in immune cells (such as eosinophils).</p>	<p>Kinase assay. JNK kinase assays for signal transduction that regulate cell proliferation, activation, or apoptosis are well known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to promote or inhibit cell proliferation, activation, and apoptosis.</p>	<p>Highly preferred indications include asthma, allergy, hypersensitivity reactions, inflammation, and inflammatory disorders. Additional highly preferred indications include immune and hematopoietic disorders (e.g., as described below under "Immune Activity", and "Blood-Related Disorders"), autoimmune diseases (e.g., rheumatoid arthritis, systemic</p>

				<p>Exemplary assays for JNK kinase activity that may be used or routinely modified to test JNK kinase-induced activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include the assays disclosed in Forrer et al., Biol Chem 379(8-9):1101-1110 (1998); Gupta et al., Exp Cell Res 247(2): 495-504 (1999); Kyriakis JM, Biochem Soc Symp 64:29-48 (1999); Chang and Karin, Nature 410(6824):37-40 (2001); and Cobb MH, Prog Biophys Mol Biol 71(3-4):479-500 (1999); the contents of each of which are herein incorporated by reference in its entirety. Exemplary cells that may be used according to these assays include eosinophils. Eosinophils are important in the late stage of allergic reactions; they are recruited to tissues and mediate the inflammatory response of late stage allergic reaction. Moreover, exemplary assays</p>	<p>lupus erythematosus, Crohn's disease, multiple sclerosis and/or as described below), immunodeficiencies (e.g., as described below). Highly preferred indications also include boosting or inhibiting immune cell proliferation. Preferred indications include neoplastic diseases (e.g., leukemia, lymphoma, and/or as described below under "Hyperproliferative Disorders"). Highly preferred indications include boosting an eosinophil-mediated immune response, and suppressing an eosinophil-mediated immune response.</p>
--	--	--	--	---	--

				<p>that may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to modulate signal transduction, cell proliferation, activation, or apoptosis in eosinophils include assays disclosed and/or cited in: Zhang JP, et al., "Role of caspases in dexamethasone-induced apoptosis and activation of c-Jun NH2-terminal kinase and p38 mitogen-activated protein kinase in human eosinophils" Clin Exp Immunol; Oct;122(1):20-7 (2000); Hebestreit H, et al., "Disruption of fas receptor signaling by nitric oxide in eosinophils" J Exp Med; Feb 2;187(3):415-25 (1998); J Allergy Clin Immunol 1999 Sep;104(3 Pt 1):565-74; and, Sousa AR, et al., "In vivo resistance to corticosteroids in bronchial asthma is associated with enhanced phosphorylation of JUN N-</p>
--	--	--	--	--

				terminal kinase and failure of prednisolone to inhibit JUN N-terminal kinase phosphorylation" J Allergy Clin Immunol; Sep;104(3 Pt 1):565-74 (1999); the contents of each of which are herein incorporated by reference in its entirety.	
H6EDC19	529	Regulation of viability and proliferation of pancreatic beta cells.	Assays for the regulation of viability and proliferation of cells in vitro are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate viability and proliferation of pancreatic beta cells. For example, the Cell Titer-Glo luminescent cell viability assay measures the number of viable cells in culture based on quantitation of the ATP present which signals the presence of metabolically active cells. Exemplary assays that may be used or routinely modified to test regulation of viability and	A highly preferred indication is diabetes mellitus. An additional highly preferred indication is a complication associated with diabetes (e.g., diabetic retinopathy, diabetic nephropathy, kidney disease (e.g., renal failure, nephropathy and/or other diseases and disorders as described in the "Renal Disorders" section below), diabetic neuropathy, nerve disease and nerve damage (e.g., due to diabetic neuropathy), blood vessel blockage, heart disease, stroke, impotence (e.g., due to diabetic neuropathy or blood vessel blockage), seizures, mental confusion, drowsiness, nonketotic hyperglycemic-	

				<p>proliferation of pancreatic beta cells by polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in: Friedrichsen BN, et al., Mol Endocrinol, 15(1):136-48 (2001); Huotari MA, et al., Endocrinology, 139(4):1494-9 (1998); Hugel SR, et al., J Biol Chem 1998 Jul 10;273(28):17771-9 (1998), the contents of each of which is herein incorporated by reference in its entirety. Pancreatic cells that may be used according to these assays are publicly available (e.g., through the ATCC) and/or may be routinely generated. Exemplary pancreatic cells that may be used according to these assays include rat INS-1 cells. INS-1 cells are a semi-adherent cell line established from cells isolated from an X-ray induced rat transplantable insulinoma. These cells retain characteristics typical of native pancreatic beta cells including glucose inducible insulin</p>	<p>hyperosmolar coma, cardiovascular disease (e.g., heart disease, atherosclerosis, microvascular disease, hypertension, stroke, and other diseases and disorders as described in the "Cardiovascular Disorders" section below), dyslipidemia, endocrine disorders (as described in the "Endocrine Disorders" section below), neuropathy, vision impairment (e.g., diabetic retinopathy and blindness), ulcers and impaired wound healing, and infection (e.g., infectious diseases and disorders as described in the "Infectious Diseases" section below, especially of the urinary tract and skin), carpal tunnel syndrome and Dupuytren's contracture). An additional highly preferred indication is obesity and/or complications associated with obesity. Additional highly preferred indications include weight loss or alternatively, weight gain. Additional highly preferred indications are</p>
--	--	--	--	---	--

				secretion. References: Asfari et al. Endocrinology 1992 130:167.	complications associated with insulin resistance.
H6EDC19	529		Proliferation of pre-adipose cells (such as 3T3-L1 cells)	Assays for the regulation (i.e. increases or decreases) of viability and proliferation of cells in vitro are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate viability and proliferation of pre-adipose cells and cell lines. For example, the CellTiter-Glo® Luminescent Cell Viability Assay (Promega Corp., Madison, WI, USA) can be used to measure the number of viable cells in culture based on quantitation of the ATP present which signals the presence of metabolically active cells. 3T3-L1 is a mouse preadipocyte cell line. It is a continuous substrain of 3T3 fibroblast cells developed through clonal isolation. Cells were differentiated to an	

				adipose-like state before being used in the screen. See Green H and Meuth M., Cell 3: 127-133 (1974), which is herein incorporated by reference in its entirety.	
HACBD91	530	Activation of transcription through cAMP response element (CRE) in pre-adipocytes.	Assays for the activation of transcription through the cAMP response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to increase cAMP, regulate CREB transcription factors, and modulate expression of genes involved in a wide variety of cell functions. For example, a 3T3-L1/CRE reporter assay may be used to identify factors that activate the cAMP signaling pathway. CREB plays a major role in adipogenesis, and is involved in differentiation into adipocytes. CRE contains the binding sequence for the transcription factor CREB	A highly preferred indication is obesity and/or complications associated with obesity. Additional highly preferred indications include weight loss or alternatively, weight gain. An additional highly preferred indication is diabetes mellitus. An additional highly preferred indication is a complication associated with diabetes (e.g., diabetic retinopathy, diabetic nephropathy, kidney disease (e.g., renal failure, nephropathy and/or other diseases and disorders as described in the "Renal Disorders" section below), diabetic neuropathy, nerve disease and nerve damage (e.g., due to diabetic neuropathy), blood vessel blockage, heart disease, stroke, impotence (e.g., due to diabetic neuropathy or blood vessel	

				<p>(CRE binding protein). Exemplary assays for transcription through the cAMP response element that may be used or routinely modified to test cAMP-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); Reusch et al., Mol Cell Biol 20(3):1008-1020 (2000); and Klemm et al., J Biol Chem 273:917-923 (1998), the contents of each of which are herein incorporated by reference in its entirety. Pre-adipocytes that may be used according to these assays are publicly available (e.g., through the ATCC) and/or may be routinely generated. Exemplary mouse adipocyte cells that may be used</p>	<p>blockage), seizures, mental confusion, drowsiness, nonketotic hyperglycemic-hyperosmolar coma, cardiovascular disease (e.g., heart disease, atherosclerosis, microvascular disease, hypertension, stroke, and other diseases and disorders as described in the "Cardiovascular Disorders" section below), dyslipidemia, endocrine disorders (as described in the "Endocrine Disorders" section below), neuropathy, vision impairment (e.g., diabetic retinopathy and blindness), ulcers and impaired wound healing, and infection (e.g., infectious diseases and disorders as described in the "Infectious Diseases" section below, especially of the urinary tract and skin), carpal tunnel syndrome and Dupuytren's contracture). Additional highly preferred indications are complications associated with insulin resistance.</p>
--	--	--	--	---	--

				according to these assays include 3T3-L1 cells. 3T3-L1 is an adherent mouse preadipocyte cell line that is a continuous substrain of 3T3 fibroblast cells developed through clonal isolation and undergo a pre-adipocyte to adipose-like conversion under appropriate differentiation conditions known in the art.	
	HACBD91	530	Activation of transcription through cAMP response element in immune cells (such as T-cells).	Assays for the activation of transcription through the cAMP response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to increase cAMP and regulate CREB transcription factors, and modulate expression of genes involved in a wide variety of cell functions. Exemplary assays for transcription through the cAMP response element that may be used or routinely modified to test cAMP-response element	Preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"), and infection (e.g., an infectious disease as described below under "Infectious Disease"). Preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below), immunodeficiencies (e.g., as described below), boosting a T cell-mediated immune response, and suppressing a T cell-mediated

				<p>activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); Black et al., Virus Genes 15(2):105-117 (1997); and Belkowski et al., J Immunol 161(2):659-665 (1998), the contents of each of which are herein incorporated by reference in its entirety. T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary mouse T cells that may be used according to these assays include the CTLL cell line, which is a suspension culture of IL-2 dependent cytotoxic T cells.</p>	<p>immune response. Additional preferred indications include inflammation and inflammatory disorders. Highly preferred indications include neoplastic diseases (e.g., leukemia, lymphoma, and/or as described below under "Hyperproliferative Disorders"). Highly preferred indications include neoplasms and cancers, such as, for example; leukemia, lymphoma (e.g., T cell lymphoma, Burkitt's lymphoma, non-Hodgkins lymphoma, Hodgkin's disease), melanoma, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications include anemia, pancytopenia, leukopenia, thrombocytopenia, acute lymphocytic anemia</p>
--	--	--	--	--	--

					(ALL), plasmacytomas, multiple myeloma, arthritis, AIDS, granulomatous disease, inflammatory bowel disease, sepsis, neutropenia, neutrophilia, psoriasis, suppression of immune reactions to transplanted organs and tissues, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, Lyme Disease, and asthma and allergy.
	HACBD91	530	Production of IL-6	IL-6 FMAT. IL-6 is produced by T cells and has strong effects on B cells. IL-6 participates in IL-4 induced IgE production and increases IgA production (IgA plays a role in mucosal immunity). IL-6 induces cytotoxic T cells. Deregulated expression of IL-6 has been linked to autoimmune disease, plasmacytomas, myelomas, and chronic hyperproliferative diseases. Assays for immunomodulatory and differentiation factor proteins produced by a large variety of cells where the expression level is strongly	A highly preferred embodiment of the invention includes a method for stimulating (e.g., increasing) IL-6 production. An alternative highly preferred embodiment of the invention includes a method for inhibiting (e.g., reducing) IL-6 production. A highly preferred indication is the stimulation or enhancement of mucosal immunity. Highly preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"),

				<p>regulated by cytokines, growth factors, and hormones are well known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to mediate immunomodulation and differentiation and modulate T cell proliferation and function. Exemplary assays that test for immunomodulatory proteins evaluate the production of cytokines, such as IL-6, and the stimulation and upregulation of T cell proliferation and functional activities. Such assays that may be used or routinely modified to test immunomodulatory and differentiation activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Miraglia et al., J Biomolecular Screening 4:193-204(1999); Rowland et al.,</p>	<p>and infection (e.g., as described below under "Infectious Disease"). Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below) and immunodeficiencies (e.g., as described below). Highly preferred indications also include boosting a B cell-mediated immune response and alternatively suppressing a B cell-mediated immune response. Highly preferred indications include inflammation and inflammatory disorders. Additional highly preferred indications include asthma and allergy. Highly preferred indications include neoplastic diseases (e.g., myeloma, plasmacytoma, leukemia, lymphoma, melanoma, and/or as described below under "Hyperproliferative Disorders"). Highly preferred</p>
--	--	--	--	--	---

				<p>"Lymphocytes: a practical approach" Chapter 6:138-160 (2000); and Verhasselt et al., J Immunol 158:2919-2925 (1997), the contents of each of which are herein incorporated by reference in its entirety. Human dendritic cells that may be used according to these assays may be isolated using techniques disclosed herein or otherwise known in the art. Human dendritic cells are antigen presenting cells in suspension culture, which, when activated by antigen and/or cytokines, initiate and upregulate T cell proliferation and functional activities.</p>	<p>indications include neoplasms and cancers, such as, myeloma, plasmacytoma, leukemia, lymphoma, melanoma, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL), multiple myeloma, Burkitt's lymphoma, arthritis, AIDS, granulomatous disease, inflammatory bowel disease, sepsis, neutropenia, neutrophilia, psoriasis, suppression of immune reactions to transplanted organs and tissues, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, and Lyme Disease. An additional preferred</p>
--	--	--	--	--	--

					indication is infection (e.g., an infectious disease as described below under "Infectious Disease").
					A highly preferred indication is diabetes mellitus. An additional highly preferred indication is a complication associated with diabetes (e.g., diabetic retinopathy, diabetic nephropathy, kidney disease (e.g., renal failure, nephropathy and/or other diseases and disorders as described in the "Renal Disorders" section below), diabetic neuropathy, nerve disease and nerve damage (e.g., due to diabetic neuropathy), blood vessel blockage, heart disease, stroke, impotence (e.g., due to diabetic neuropathy or blood vessel blockage), seizures, mental confusion, drowsiness, nonketotic hyperglycemic-hyperosmolar coma, cardiovascular disease (e.g., heart disease, atherosclerosis, microvascular disease, hypertension, stroke, and other

			<p>(including antibodies and agonists or antagonists of the invention) include assays disclosed in: Streeper, R.S., et al., Mol Endocrinol, 12(11):1778-91 (1998); Garcia-Jimenez, C., et al., Mol Endocrinol, 8(10):1361-9 (1994); Barroso, I., et al., J Biol Chem, 274(25):17997-8004 (1999); Ijpenberg, A., et al., J Biol Chem, 272(32):20108-20117 (1997); Berger, et al., Gene 66:1-10 (1988); and, Cullen, B., et al., Methods in Enzymol. 216:362-368 (1992), the contents of each of which is herein incorporated by reference in its entirety. Hepatocytes that may be used according to these assays are publicly available (e.g., through the ATCC) and/or may be routinely generated. Exemplary hepatocytes that may be used according to these assays includes the H4IIE rat liver hepatoma cell line.</p>		<p>diseases and disorders as described in the "Cardiovascular Disorders" section below), dyslipidemia, endocrine disorders (as described in the "Endocrine Disorders" section below), neuropathy, vision impairment (e.g., diabetic retinopathy and blindness), ulcers and impaired wound healing, and infection (e.g., infectious diseases and disorders as described in the "Infectious Diseases" section below, especially of the urinary tract and skin), carpal tunnel syndrome and Dupuytren's contracture). An additional highly preferred indication is obesity and/or complications associated with obesity. Additional highly preferred indications include weight loss or alternatively, weight gain. Additional highly preferred indications are complications associated with insulin resistance.</p>
HACBD91	530	Activation of Endothelial Cell	Kinase assay. JNK and p38 kinase assays for signal	A highly preferred embodiment of the invention	

			<p>p38 or JNK Signaling Pathway.</p>	<p>transduction that regulate cell proliferation, activation, or apoptosis are well known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to promote or inhibit cell proliferation, activation, and apoptosis. Exemplary assays for JNK and p38 kinase activity that may be used or routinely modified to test JNK and p38 kinase-induced activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include the assays disclosed in Forrer et al., Biol Chem 379(8-9):1101-1110 (1998); Gupta et al., Exp Cell Res 247(2): 495-504 (1999); Kyriakis JM, Biochem Soc Symp 64:29-48 (1999); Chang and Karin, Nature 410(6824):37-40 (2001); and Cobb MH, Prog Biophys Mol Biol 71(3-4):479-500 (1999); the contents of each of which</p>	<p>includes a method for stimulating endothelial cell growth. An alternative highly preferred embodiment of the invention includes a method for inhibiting endothelial cell growth. A highly preferred embodiment of the invention includes a method for stimulating endothelial cell proliferation. An alternative highly preferred embodiment of the invention includes a method for inhibiting endothelial cell proliferation. A highly preferred embodiment of the invention includes a method for stimulating apoptosis of endothelial cells. An alternative highly preferred embodiment of the invention includes a method for inhibiting (e.g., decreasing) apoptosis of endothelial cells. A highly preferred embodiment of the invention includes a method for stimulating (e.g., increasing) endothelial cell activation. An alternative highly preferred</p>
--	--	--	--------------------------------------	--	---

				<p>are herein incorporated by reference in its entirety. Endothelial cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary endothelial cells that may be used according to these assays include human umbilical vein endothelial cells (HUVEC), which are endothelial cells which line venous blood vessels, and are involved in functions that include, but are not limited to, angiogenesis, vascular permeability, vascular tone, and immune cell extravasation.</p>	<p>embodiment of the invention includes a method for inhibiting (e.g., decreasing) the activation of and/or inactivating endothelial cells. A highly preferred embodiment of the invention includes a method for stimulating angiogenesis. An alternative highly preferred embodiment of the invention includes a method for inhibiting angiogenesis. A highly preferred embodiment of the invention includes a method for reducing cardiac hypertrophy. An alternative highly preferred embodiment of the invention includes a method for inducing cardiac hypertrophy. Highly preferred indications include neoplastic diseases (e.g., as described below under "Hyperproliferative Disorders"), and disorders of the cardiovascular system (e.g., heart disease, congestive heart failure, hypertension, aortic stenosis, cardiomyopathy, valvular</p>
--	--	--	--	---	---

					<p>regurgitation, left ventricular dysfunction, atherosclerosis and atherosclerotic vascular disease, diabetic nephropathy, intracardiac shunt, cardiac hypertrophy, myocardial infarction, chronic hemodynamic overload, and/or as described below under "Cardiovascular Disorders").</p> <p>Highly preferred indications include cardiovascular, endothelial and/or angiogenic disorders (e.g., systemic disorders that affect vessels such as diabetes mellitus, as well as diseases of the vessels themselves, such as of the arteries, capillaries, veins and/or lymphatics). Highly preferred are indications that stimulate angiogenesis and/or cardiovascularization. Highly preferred are indications that inhibit angiogenesis and/or cardiovascularization.</p> <p>Highly preferred indications include antiangiogenic activity to treat solid tumors, leukemias, and Kaposi's sarcoma, and retinal disorders.</p>
--	--	--	--	--	---

					Highly preferred indications include neoplasms and cancer, such as, Kaposi's sarcoma, hemangioma (capillary and cavernous), glomus tumors, telangiectasia, bacillary angiomatosis, hemangioendothelioma, angiosarcoma, haemangiopericytoma, lymphangioma, lymphangiosarcoma. Highly preferred indications also include cancers such as, prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver, and urinary cancer. Preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Highly preferred indications also include arterial disease, such as, atherosclerosis, hypertension, coronary artery disease, inflammatory vasculitides, Reynaud's disease and Reynaud's phenomenon, aneurysms,
--	--	--	--	--	--

					<p>restenosis; venous and lymphatic disorders such as thrombophlebitis, lymphangitis, and lymphedema; and other vascular disorders such as peripheral vascular disease, and cancer. Highly preferred indications also include trauma such as wounds, burns, and injured tissue (e.g., vascular injury such as, injury resulting from balloon angioplasty, and atherosclerotic lesions), implant fixation, scarring, ischemia reperfusion injury, rheumatoid arthritis, cerebrovascular disease, renal diseases such as acute renal failure, and osteoporosis. Additional highly preferred indications include stroke, graft rejection, diabetic or other retinopathies, thrombotic and coagulative disorders, vasculitis, lymph angiogenesis, sexual disorders, age-related macular degeneration, and treatment/prevention of endometriosis</p>
--	--	--	--	--	---

					<p>and related conditions.</p> <p>Additional highly preferred indications include fibromas, heart disease, cardiac arrest, heart valve disease, and vascular disease.</p> <p>Preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders").</p> <p>Preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below) and immunodeficiencies (e.g., as described below). Additional preferred indications include inflammation and inflammatory disorders (such as acute and chronic inflammatory diseases, e.g., inflammatory bowel disease and Crohn's disease), and pain management.</p>
	HACBD91	530	Activation of transcription through CD28	Assays for the activation of transcription through the CD28 response element are well-	<p>A highly preferred embodiment of the invention includes a method for</p>

			<p>response element in immune cells (such as T-cells).</p>	<p>known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to stimulate IL-2 expression in T cells. Exemplary assays for transcription through the CD28 response element that may be used or routinely modified to test CD28-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); McGuire and Iacobelli, J Immunol 159(3):1319-1327 (1997); Parra et al., J Immunol 166(4):2437-2443 (2001); and Butscher et al., J Biol Chem 3(1):552-560 (1998), the contents of each of which are herein incorporated by</p>	<p>stimulating T cell proliferation. An alternative highly preferred embodiment of the invention includes a method for inhibiting T cell proliferation. A highly preferred embodiment of the invention includes a method for activating T cells. An alternative highly preferred embodiment of the invention includes a method for inhibiting the activation of and/or inactivating T cells. A highly preferred embodiment of the invention includes a method for stimulating (e.g., increasing) IL-2 production. An alternative highly preferred embodiment of the invention includes a method for inhibiting (e.g., reducing) IL-2 production. Additional highly preferred indications include inflammation and inflammatory disorders. Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus,</p>
--	--	--	--	--	---

				<p>reference in its entirety. T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary human T cells that may be used according to these assays include the JURKAT cell line, which is a suspension culture of leukemia cells that produce IL-2 when stimulated.</p>	<p>multiple sclerosis and/or as described below), immunodeficiencies (e.g., as described below), boosting a T cell-mediated immune response, and suppressing a T cell-mediated immune response. An additional highly preferred indication includes infection (e.g., AIDS, and/or as described below under "Infectious Disease"). Highly preferred indications include neoplastic diseases (e.g., melanoma, renal cell carcinoma, leukemia, lymphoma, and/or as described below under "Hyperproliferative Disorders"). Highly preferred indications include neoplasms and cancers, such as, for example, melanoma (e.g., metastatic melanoma), renal cell carcinoma (e.g., metastatic renal cell carcinoma), leukemia, lymphoma (e.g., T cell lymphoma), and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other</p>
--	--	--	--	---	--

					<p>preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. A highly preferred indication is infection (e.g., tuberculosis, infections associated with granulomatous disease, and osteoporosis, and/or an infectious disease as described below under "Infectious Disease"). A highly preferred indication is AIDS. Additional highly preferred indications include suppression of immune reactions to transplanted organs and/or tissues, uveitis, psoriasis, and tropical spastic paraparesis. Preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"). Preferred indications also include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute</p>
--	--	--	--	--	---

					lymphocytic anemia (ALL), plasmacytomas, multiple myeloma, Burkitt's lymphoma, arthritis, granulomatous disease, inflammatory bowel disease, sepsis, neutropenia, neutrophilia, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, Lyme Disease, asthma and allergy.
	HACBD91	530	Activation of transcription through NFAT response element in immune cells (such as natural killer cells).	Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-	Highly preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"). Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below), immunodeficiencies (e.g., as described below), boosting a T cell-mediated immune response, and suppressing a T cell-mediated immune response. Additional highly preferred indications include inflammation and

				<p>response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); Aramburu et al., J Exp Med 182(3):801-810 (1995); De Boer et al., Int J Biochem Cell Biol 31(10):1221-1236 (1999); Fraser et al., Eur J Immunol 29(3):838-844 (1999); and Yeseen et al., J Biol Chem 268(19):14285-14293 (1993), the contents of each of which are herein incorporated by reference in its entirety. NK cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary human NK cells that may be used according to these assays include the NK-YT cell line, which is a human natural killer cell line with</p>	<p>inflammatory disorders. An additional highly preferred indication is infection (e.g., an infectious disease as described below under "Infectious Disease"). Preferred indications include neoplastic diseases (e.g., leukemia, lymphoma, and/or as described below under "Hyperproliferative Disorders"). Preferred indications include neoplasms and cancers, such as, for example, leukemia, lymphoma, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications also include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL), plasmacytomas, multiple myeloma, Burkitt's lymphoma,</p>
--	--	--	--	--	---

				cytolytic and cytotoxic activity.	arthritis, AIDS, granulomatous disease, inflammatory bowel disease, sepsis, neutropenia, neutrophilia, psoriasis, suppression of immune reactions to transplanted organs and tissues, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, Lyme Disease, asthma and allergy.
	HACBD91	530	Activation of transcription through serum response element in immune cells (such as natural killer cells).	Assays for the activation of transcription through the Serum Response Element (SRE) are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate serum response factors and modulate the expression of genes involved in growth and upregulate the function of growth-related genes in many cell types. Exemplary assays for transcription through the SRE that may be used or routinely modified to test SRE activity	A preferred embodiment of the invention includes a method for inhibiting (e.g., reducing) TNF alpha production. An alternative highly preferred embodiment of the invention includes a method for stimulating (e.g., increasing) TNF alpha production. Preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"), Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus,

				<p>of the polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); Benson et al., J Immunol 153(9):3862-3873 (1994); and Black et al., Virus Genes 12(2):105-117 (1997), the content of each of which are herein incorporated by reference in its entirety. T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary T cells that may be used according to these assays include the NK-YT cell line, which is a human natural killer cell line with cytolytic and cytotoxic activity.</p>	<p>Crohn's disease, multiple sclerosis and/or as described below), immunodeficiencies (e.g., as described below), boosting a T cell-mediated immune response, and suppressing a T cell-mediated immune response. Additional highly preferred indications include inflammation and inflammatory disorders, and treating joint damage in patients with rheumatoid arthritis. An additional highly preferred indication is sepsis. Highly preferred indications include neoplastic diseases (e.g., leukemia, lymphoma, and/or as described below under "Hyperproliferative Disorders"). Additionally, highly preferred indications include neoplasms and cancers, such as, for example, leukemia, lymphoma, melanoma, glioma (e.g., malignant glioma), solid tumors, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other</p>
--	--	--	--	--	--

					<p>preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL), plasmacytomas, multiple myeloma, Burkitt's lymphoma, arthritis, AIDS, granulomatous disease, inflammatory bowel disease, neutropenia, neutrophilia, psoriasis, suppression of immune reactions to transplanted organs and tissues, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, Lyme Disease, cardiac reperfusion injury, and asthma and allergy. An additional preferred indication is infection (e.g., an infectious disease as described below under "Infectious Disease").</p>
	HACBD91	530	Activation of transcription	Assays for the activation of transcription through the AP1	Preferred indications include neoplastic diseases

			<p>through API response element in immune cells (such as T-cells).</p>	<p>response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to modulate growth and other cell functions. Exemplary assays for transcription through the API response element that may be used or routinely modified to test API-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1988); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); Rellahan et al., J Biol Chem 272(49):30806-30811 (1997); Chang et al., Mol Cell Biol 18(9):4986-4993 (1998); and Fraser et al., Eur J Immunol 29(3):838-844 (1999), the contents of each of which are</p>	<p>(e.g., as described below under "Hyperproliferative Disorders"), blood disorders (e.g., as described below under "Immune Activity", "Cardiovascular Disorders", and/or "Blood-Related Disorders"), and infection (e.g., an infectious disease as described below under "Infectious Disease"). Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below) and immunodeficiencies (e.g., as described below). Additional highly preferred indications include inflammation and inflammatory disorders. Highly preferred indications also include neoplastic diseases (e.g., leukemia, lymphoma, and/or as described below under "Hyperproliferative Disorders"). Highly preferred indications include neoplasms and cancers, such as, leukemia,</p>
--	--	--	--	--	---

				<p>herein incorporated by reference in its entirety. Human T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary human T cells that may be used according to these assays include the SUPT cell line, which is an IL-2 and IL-4 responsive suspension-culture cell line.</p>	<p>lymphoma, prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver, and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications include arthritis, asthma, AIDS, allergy, anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL), plasmacytomas, multiple myeloma, Burkitt's lymphoma, granulomatous disease, inflammatory bowel disease, sepsis, psoriasis, suppression of immune reactions to transplanted organs and tissues, endocarditis, meningitis, and Lyme Disease.</p>
	HACBD91	530	<p>Activation of transcription through CD28 response element in immune cells (such as T-cells).</p>	<p>Assays for the activation of transcription through the CD28 response element are well-known in the art and may be used or routinely modified to assess the ability of</p>	<p>A highly preferred embodiment of the invention includes a method for stimulating T cell proliferation. An alternative highly preferred embodiment of the invention</p>

				<p>polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to stimulate IL-2 expression in T cells. Exemplary assays for transcription through the CD28 response element that may be used or routinely modified to test CD28-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); McGuire and Iacobelli, J Immunol 159(3):1319-1327 (1997); Parra et al., J Immunol 166(4):2437-2443 (2001); and Butscher et al., J Biol Chem 3(1):552-560 (1998), the contents of each of which are herein incorporated by reference in its entirety. T cells that may be used according to these assays are</p>	<p>includes a method for inhibiting T cell proliferation. A highly preferred embodiment of the invention includes a method for activating T cells. An alternative highly preferred embodiment of the invention includes a method for inhibiting the activation of and/or inactivating T cells. A highly preferred embodiment of the invention includes a method for stimulating (e.g., increasing) IL-2 production. An alternative highly preferred embodiment of the invention includes a method for inhibiting (e.g., reducing) IL-2 production. Additional highly preferred indications include inflammation and inflammatory disorders. Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below), immunodeficiencies (e.g., as</p>
--	--	--	--	--	---

				<p>publicly available (e.g., through the ATCC). Exemplary human T cells that may be used according to these assays include the SUPT cell line, which is a suspension culture of IL-2 and IL-4 responsive T cells.</p> <p>described below), boosting a T cell-mediated immune response, and suppressing a T cell-mediated immune response. Highly preferred indications include neoplastic diseases (e.g., melanoma, renal cell carcinoma, leukemia, lymphoma, and/or as described below under “Hyperproliferative Disorders”). Highly preferred indications include neoplasms and cancers, such as, for example, melanoma (e.g., metastatic melanoma), renal cell carcinoma (e.g., metastatic renal cell carcinoma), leukemia, lymphoma (e.g., T cell lymphoma), and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. A highly preferred indication includes infection (e.g.,</p>
--	--	--	--	---

					<p>AIDS, tuberculosis, infections associated with granulomatous disease, and osteoporosis, and/or as described below under "Infectious Disease"). A highly preferred indication is AIDS. Additional highly preferred indications include suppression of immune reactions to transplanted organs and/or tissues, uveitis, psoriasis, and tropical spastic paraparesis. Preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"). Preferred indications also include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL), plasmacytomas, multiple myeloma, Burkitt's lymphoma, arthritis, granulomatous disease, inflammatory bowel disease, sepsis, neutropenia, neutrophilia, hemophilia, hypercoagulation, diabetes</p>
--	--	--	--	--	--

					mellitus, endocarditis, meningitis, Lyme Disease, asthma and allergy.
					Highly preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"). Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below), immunodeficiencies (e.g., as described below), boosting a T cell-mediated immune response, and suppressing a T cell-mediated immune response. Additional highly preferred indications include inflammation and inflammatory disorders. An additional highly preferred indication is infection (e.g., an infectious disease as described below under "Infectious Disease"). Preferred indications include neoplastic diseases (e.g., leukemia,
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFAT transcription factors and modulate expression of genes involved in immunomodulatory functions. Exemplary assays for transcription through the NFAT response element that may be used or routinely modified to test NFAT-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol
					Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists

				<p>216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); Serfling et al., Biochim Biophys Acta 1498(1):1-18 (2000); De Boer et al., Int J Biochem Cell Biol 31(10):1221-1236 (1999); Fraser et al., Eur J Immunol 29(3):838-844 (1999); and Yeseen et al., J Biol Chem 268(19):14285-14293 (1993), the contents of each of which are herein incorporated by reference in its entirety. T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary human T cells that may be used according to these assays include the SUPT cell line, which is a suspension culture of IL-2 and IL-4 responsive T cells.</p>	<p>lymphoma, and/or as described below under "Hyperproliferative Disorders"). Preferred indications include neoplasms and cancers, such as, for example, leukemia, lymphoma, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications also include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL), plasmacytomas, multiple myeloma, Burkitt's lymphoma, arthritis, AIDS, granulomatous disease, inflammatory bowel disease, sepsis, neutropenia, neutrophilia, psoriasis, suppression of immune reactions to transplanted organs and tissues, hemophilia, hypercoagulation,</p>
--	--	--	--	---	--

				diabetes mellitus, endocarditis, meningitis, Lyme Disease, asthma and allergy.
HACBD91	530	Activation of transcription through NFKB response element in immune cells (such as T-cells).	Assays for the activation of transcription through the NFKB response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate NFKB transcription factors and modulate expression of immunomodulatory genes. Exemplary assays for transcription through the NFKB response element that may be used or routinely modified to test NFKB-response element activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA	Highly preferred indications include inflammation and inflammatory disorders. Highly preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"). Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below), and immunodeficiencies (e.g., as described below). An additional highly preferred indication is infection (e.g., AIDS, and/or an infectious disease as described below under "Infectious Disease"). Highly preferred indications include neoplastic diseases (e.g., melanoma, leukemia, lymphoma, and/or as described below under "Hyperproliferative

				<p>85:6342-6346 (1988); Black et al., Virus Gnes 15(2):105-117 (1997); and Fraser et al., 29(3):838-844 (1999), the contents of each of which are herein incorporated by reference in its entirety. T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary human T cells that may be used according to these assays include the SUPT cell line, which is a suspension culture of IL-2 and IL-4 responsive T cells.</p>	<p>Disorders"). Highly preferred indications include neoplasms and cancers, such as, melanoma, renal cell carcinoma, leukemia, lymphoma, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications also include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL), plasmacytomas, multiple myeloma, Burkitt's lymphoma, arthritis, AIDS, granulomatous disease, inflammatory bowel disease, sepsis, neutropenia, neutrophilia, psoriasis, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, Lyme Disease, suppression of immune</p>
--	--	--	--	---	---

					reactions to transplanted organs, asthma and allergy.
HACBD91	530	Activation of transcription through STAT6 response element in immune cells (such as T-cells).	Assays for the activation of transcription through the Signal Transducers and Activators of Transcription (STAT6) response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate STAT6 transcription factors and modulate the expression of multiple genes. Exemplary assays for transcription through the STAT6 response element that may be used or routinely modified to test STAT6 response element activity of the polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al.,	<p>A highly preferred indication is allergy.</p> <p>Another highly preferred indication is asthma.</p> <p>Additional highly preferred indications include inflammation and inflammatory disorders.</p> <p>Preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders").</p> <p>Preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below) and immunodeficiencies (e.g., as described below).</p> <p>Preferred indications include neoplastic diseases (e.g., leukemia, lymphoma, melanoma, and/or as described below under "Hyperproliferative Disorders"). Preferred</p>	

				<p>Proc Natl Acad Sci USA 85:6342-6346 (1988); Georas et al., Blood 92(12):4529-4538 (1998); Moffatt et al., Transplantation 69(7):1521-1523 (2000); Curiel et al., Eur J Immunol 27(8):1982-1987 (1997); and Masuda et al., J Biol Chem 275(38):29331-29337 (2000), the contents of each of which are herein incorporated by reference in its entirety. T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary T cells that may be used according to these assays include the SUPT cell line, which is a suspension culture of IL-2 and IL-4 responsive T cells.</p>	<p>indications include neoplasms and cancers, such as, leukemia, lymphoma, melanoma, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL), plasmacytomas, multiple myeloma, Burkitt's lymphoma, arthritis, AIDS, granulomatous disease, inflammatory bowel disease, sepsis, neutropenia, neutrophilia, psoriasis, suppression of immune reactions to transplanted organs and tissues, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, and Lyme Disease. An additional preferred indication is infection (e.g., an</p>
--	--	--	--	--	--

				infectious disease as described below under "Infectious Disease").
HAGA26	531	Stimulation of insulin secretion from pancreatic beta cells.	<p>Assays for measuring secretion of insulin are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to stimulate insulin secretion. For example, insulin secretion is measured by FMAT using anti-rat insulin antibodies. Insulin secretion from pancreatic beta cells is upregulated by glucose and also by certain proteins/peptides, and dysregulation is a key component in diabetes. Exemplary assays that may be used or routinely modified to test for stimulation of insulin secretion (from pancreatic cells) by polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in: Ahren, B., et al.,</p>	<p>A highly preferred indication is diabetes mellitus. An additional highly preferred indication is a complication associated with diabetes (e.g., diabetic retinopathy, diabetic nephropathy, kidney disease (e.g., renal failure, nephropathy and/or other diseases and disorders as described in the "Renal Disorders" section below), diabetic neuropathy, nerve disease and nerve damage (e.g., due to diabetic neuropathy), blood vessel blockage, heart disease, stroke, impotence (e.g., due to diabetic neuropathy or blood vessel blockage), seizures, mental confusion, drowsiness, nonketotic hyperglycemic hyperosmolar coma, cardiovascular disease (e.g., heart disease, atherosclerosis, microvascular disease, hypertension, stroke, and other diseases and disorders as</p>

			<p>Am J Physiol, 277(4 Pt 2):R959-66 (1999); Li, M., et al., Endocrinology, 138(9):3735-40 (1997); Kim, K.H., et al., FEBS Lett, 377(2):237-9 (1995); and, Miraglia S et. al., Journal of Biomolecular Screening, 4:193-204 (1999), the contents of each of which is herein incorporated by reference in its entirety. Pancreatic cells that may be used according to these assays are publicly available (e.g., through the ATCC) and/or may be routinely generated. Exemplary pancreatic cells that may be used according to these assays include rat INS-1 cells. INS-1 cells are a semi-adherent cell line established from cells isolated from an X-ray induced rat transplantable insulinoma. These cells retain characteristics typical of native pancreatic beta cells including glucose inducible insulin secretion. References: Asfari et al. Endocrinology 1992 130:167.</p>	<p>described in the "Cardiovascular Disorders" section below), dyslipidemia, endocrine disorders (as described in the "Endocrine Disorders" section below), neuropathy, vision impairment (e.g., diabetic retinopathy and blindness), ulcers and impaired wound healing, and infection (e.g., infectious diseases and disorders as described in the "Infectious Diseases" section below, especially of the urinary tract and skin), carpal tunnel syndrome and Dupuytren's contracture). An additional highly preferred indication is obesity and/or complications associated with obesity. Additional highly preferred indications include weight loss or alternatively, weight gain. Additional highly preferred indications are complications associated with insulin resistance.</p>
--	--	--	---	--

HAGBZ81	532	<p>Activation of transcription through serum response element in immune cells (such as T-cells).</p>	<p>Assays for the activation of transcription through the Serum Response Element (SRE) are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate the serum response factors and modulate the expression of genes involved in growth. Exemplary assays for transcription through the SRE that may be used or routinely modified to test SRE activity of the polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); and Black et al., Virus Genes 12(2):105-117 (1997), the content of each of which are</p>	<p>A preferred embodiment of the invention includes a method for inhibiting (e.g., reducing) TNF alpha production. An alternative preferred embodiment of the invention includes a method for stimulating (e.g., increasing) TNF alpha production. Preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"), Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, Crohn's disease, multiple sclerosis and/or as described below), immunodeficiencies (e.g., as described below), boosting a T cell-mediated immune response, and suppressing a T cell-mediated immune response. Additional highly preferred indications include inflammation and inflammatory disorders, and</p>
---------	-----	--	---	---

				<p>herein incorporated by reference in its entirety. T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary mouse T cells that may be used according to these assays include the CTLL cell line, which is an IL-2 dependent suspension culture of T cells with cytotoxic activity.</p>	<p>treating joint damage in patients with rheumatoid arthritis. An additional highly preferred indication is sepsis. Highly preferred indications include neoplastic diseases (e.g., leukemia, lymphoma, and/or as described below under "Hyperproliferative Disorders"). Additionally, highly preferred indications include neoplasms and cancers, such as, for example, leukemia, lymphoma, melanoma, glioma (e.g., malignant glioma), solid tumors, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL),</p>
--	--	--	--	---	--

					<p>plasmacytomas, multiple myeloma, Burkitt's lymphoma, arthritis, AIDS, granulomatous disease, inflammatory bowel disease, neutropenia, neutrophilia, psoriasis, suppression of immune reactions to transplanted organs and tissues, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, Lyme Disease, cardiac reperfusion injury, and asthma and allergy. An additional preferred indication is infection (e.g., an infectious disease as described below under "Infectious Disease").</p>
	HAGDG59	533	Inhibition of squalene synthetase gene transcription.	<p>Reporter Assay: construct contains regulatory and coding sequence of squalene synthetase, the first specific enzyme in the cholesterol biosynthetic pathway. See Jiang, et al., J. Biol. Chem. 268:12818-12824(1993), the contents of which are herein incorporated by reference in its entirety. Cells were treated with SID supernatants, and SEAP activity was measured</p>	

				after 72 hours. HepG2 is a human hepatocellular carcinoma cell line (ATCC HB-8065). See Knowles et al., Science. 209:497-9 (1980), the contents of which are herein incorporated by reference in its entirety.	
HAGDS35	534	Regulation of transcription via DMEF1 response element in adipocytes and pre-adipocytes	Assays for the regulation of transcription through the DMEF1 response element are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to activate the DMEF1 response element in a reporter construct (such as that containing the GLUT4 promoter) and to regulate insulin production. The DMEF1 response element is present in the GLUT4 promoter and binds to MEF2 transcription factor and another transcription factor that is required for insulin regulation of Glut4 expression in skeletal muscle. GLUT4 is the primary	A highly preferred indication is diabetes mellitus. Additional highly preferred indications include complications associated with diabetes (e.g., diabetic retinopathy, diabetic nephropathy, kidney disease (e.g., renal failure, nephropathy and/or other diseases and disorders as described in the "Renal Disorders" section below), diabetic neuropathy, nerve disease and nerve damage (e.g., due to diabetic neuropathy), blood vessel blockage, heart disease, stroke, impotence (e.g., due to diabetic neuropathy or blood vessel blockage), seizures, mental confusion, drowsiness, nonketotic hyperglycemic-	

				<p>insulin-responsive glucose transporter in fat and muscle tissue. Exemplary assays that may be used or routinely modified to test for DMEF1 response element activity (in adipocytes and pre-adipocytes) by polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Thai, M. V., et al., J Biol Chem, 273(23):14285-92 (1998); Mora, S., et al., J Biol Chem, 275(21):16323-8 (2000); Liu, M.L., et al., J Biol Chem, 269(45):28514-21 (1994); "Identification of a 30-base pair regulatory element and novel DNA binding protein that regulates the human GLUT4 promoter in transgenic mice", J Biol Chem. 2000 Aug 4;275(31):23666-73; Berger, et al., Gene 66:1-10 (1988); and, Cullen, B., et al., Methods in Enzymol. 216:362-368 (1992), the contents of each of which is herein incorporated by reference in its entirety.</p>	<p>hyperosmolar coma, cardiovascular disease (e.g., heart disease, atherosclerosis, microvascular disease, hypertension, stroke, and other diseases and disorders as described in the "Cardiovascular Disorders" section below), dyslipidemia, endocrine disorders (as described in the "Endocrine Disorders" section below), neuropathy, vision impairment (e.g., diabetic retinopathy and blindness), ulcers and impaired wound healing, and infection (e.g., infectious diseases and disorders as described in the "Infectious Diseases" section below, especially of the urinary tract and skin). An additional highly preferred indication is obesity and/or complications associated with obesity. Additional highly preferred indications include weight loss or alternatively, weight gain. Additional highly preferred indications are complications associated with insulin resistance.</p>
--	--	--	--	---	---

				<p>Adipocytes and pre-adipocytes that may be used according to these assays are publicly available (e.g., through the ATCC) and/or may be routinely generated. Exemplary cells that may be used according to these assays include the mouse 3T3-L1 cell line which is an adherent mouse preadipocyte cell line. Mouse 3T3-L1 cells are a continuous substrain of 3T3 fibroblasts developed through clonal isolation. These cells undergo a pre-adipocyte to adipose-like conversion under appropriate differentiation culture conditions.</p>	
	HAGFG51	535	<p>Activation of transcription through serum response element in immune cells (such as T-cells).</p>	<p>Assays for the activation of transcription through the Serum Response Element (SRE) are well-known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to regulate the serum response factors and modulate the</p>	<p>A preferred embodiment of the invention includes a method for inhibiting (e.g., reducing) TNF alpha production. An alternative preferred embodiment of the invention includes a method for stimulating (e.g., increasing) TNF alpha production. Preferred indications include blood disorders (e.g., as described</p>

				<p>expression of genes involved in growth. Exemplary assays for transcription through the SRE that may be used or routinely modified to test SRE activity of the polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include assays disclosed in Berger et al., Gene 66:1-10 (1998); Cullen and Malm, Methods in Enzymol 216:362-368 (1992); Henthorn et al., Proc Natl Acad Sci USA 85:6342-6346 (1988); and Black et al., Virus Genes 12(2):105-117 (1997), the content of each of which are herein incorporated by reference in its entirety. T cells that may be used according to these assays are publicly available (e.g., through the ATCC). Exemplary mouse T cells that may be used according to these assays include the CTLL cell line, which is an IL-2 dependent suspension culture of T cells with cytotoxic</p>	<p>below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders"), Highly preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, Crohn's disease, multiple sclerosis and/or as described below), immunodeficiencies (e.g., as described below), boosting a T cell-mediated immune response, and suppressing a T cell-mediated immune response. Additional highly preferred indications include inflammation and inflammatory disorders, and treating joint damage in patients with rheumatoid arthritis. An additional highly preferred indication is sepsis. Highly preferred indications include neoplastic diseases (e.g., leukemia, lymphoma, and/or as described below under "Hyperproliferative Disorders"). Additionally, highly preferred indications include neoplasms and</p>
--	--	--	--	---	---

					activity.	<p>cancers, such as, for example, leukemia, lymphoma, melanoma, glioma (e.g., malignant glioma), solid tumors, and prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver and urinary cancer. Other preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Preferred indications include anemia, pancytopenia, leukopenia, thrombocytopenia, Hodgkin's disease, acute lymphocytic anemia (ALL), plasmacytomas, multiple myeloma, Burkitt's lymphoma, arthritis, AIDS, granulomatous disease, inflammatory bowel disease, neutropenia, neutrophilia, psoriasis, suppression of immune reactions to transplanted organs and tissues, hemophilia, hypercoagulation, diabetes mellitus, endocarditis, meningitis, Lyme Disease,</p>
--	--	--	--	--	-----------	--

				cardiac reperfusion injury, and asthma and allergy. An additional preferred indication is infection (e.g., an infectious disease as described below under "Infectious Disease").
HAIBO71	536	Endothelial Cell Apoptosis	<p>Caspase Apoptosis. Assays for caspase apoptosis are well known in the art and may be used or routinely modified to assess the ability of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) to promote caspase protease-mediated apoptosis. Induction of apoptosis in endothelial cells supporting the vasculature of tumors is associated with tumor regression due to loss of tumor blood supply. Exemplary assays for caspase apoptosis that may be used or routinely modified to test caspase apoptosis activity of polypeptides of the invention (including antibodies and agonists or antagonists of the invention) include the assays disclosed in Lee et al., FEBS</p>	<p>A highly preferred embodiment of the invention includes a method for stimulating endothelial cell growth. An alternative highly preferred embodiment of the invention includes a method for inhibiting endothelial cell growth. A highly preferred embodiment of the invention includes a method for stimulating endothelial cell proliferation. An alternative highly preferred embodiment of the invention includes a method for inhibiting endothelial cell proliferation. A highly preferred embodiment of the invention includes a method for stimulating apoptosis of endothelial cells. An alternative highly preferred embodiment of the invention includes a method for</p>

				<p>inhibiting (e.g., decreasing) apoptosis of endothelial cells. A highly preferred embodiment of the invention includes a method for stimulating angiogenesis. An alternative highly preferred embodiment of the invention includes a method for inhibiting angiogenesis. A highly preferred embodiment of the invention includes a method for reducing cardiac hypertrophy. An alternative highly preferred embodiment of the invention includes a method for inducing cardiac hypertrophy. Highly preferred indications include neoplastic diseases (e.g., as described below under "Hyperproliferative Disorders"), and disorders of the cardiovascular system (e.g., heart disease, congestive heart failure, hypertension, aortic stenosis, cardiomyopathy, valvular regurgitation, left ventricular dysfunction, atherosclerosis and atherosclerotic vascular</p>
			<p>Lett 485(2-3): 122-126 (2000); Nor et al., J Vasc Res 37(3): 209-218 (2000); and Karsan and Harlan, J Atheroscler Thromb 3(2): 75-80 (1996); the contents of each of which are herein incorporated by reference in its entirety. Endothelial cells that may be used according to these assays are publicly available (e.g., through commercial sources). Exemplary endothelial cells that may be used according to these assays include bovine aortic endothelial cells (bAEC), which are an example of endothelial cells which line blood vessels and are involved in functions that include, but are not limited to, angiogenesis, vascular permeability, vascular tone, and immune cell extravasation.</p>	

					<p>disease, diabetic nephropathy, intracardiac shunt, cardiac hypertrophy, myocardial infarction, chronic hemodynamic overload, and/or as described below under “Cardiovascular Disorders”).</p> <p>Highly preferred indications include cardiovascular, endothelial and/or angiogenic disorders (e.g., systemic disorders that affect vessels such as diabetes mellitus, as well as diseases of the vessels themselves, such as of the arteries, capillaries, veins and/or lymphatics). Highly preferred are indications that stimulate angiogenesis and/or cardiovascularization. Highly preferred are indications that inhibit angiogenesis and/or cardiovascularization.</p> <p>Highly preferred indications include antiangiogenic activity to treat solid tumors, leukemias, and Kaposi's sarcoma, and retinal disorders.</p> <p>Highly preferred indications include neoplasms and cancer, such as, Kaposi's sarcoma,</p>

					<p>hemangioma (capillary and cavernous), glomus tumors, telangiectasia, bacillary angiomatosis, hemangioendothelioma, angiosarcoma, haemangiopericytoma, lymphangioma, lymphangiosarcoma. Highly preferred indications also include cancers such as, prostate, breast, lung, colon, pancreatic, esophageal, stomach, brain, liver, and urinary cancer. Preferred indications include benign dysproliferative disorders and pre-neoplastic conditions, such as, for example, hyperplasia, metaplasia, and/or dysplasia. Highly preferred indications also include arterial disease, such as, atherosclerosis, hypertension, coronary artery disease, inflammatory vasculitides, Reynaud's disease and Reynaud's phenomenon, aneurysms, restenosis; venous and lymphatic disorders such as thrombophlebitis,</p>
--	--	--	--	--	--

					<p>lymphangitis, and lymphedema; and other vascular disorders such as peripheral vascular disease, and cancer. Highly preferred indications also include trauma such as wounds, burns, and injured tissue (e.g., vascular injury such as, injury resulting from balloon angioplasty, and atherosclerotic lesions), implant fixation, scarring, ischemia reperfusion injury, rheumatoid arthritis, cerebrovascular disease, renal diseases such as acute renal failure, and osteoporosis. Additional highly preferred indications include stroke, graft rejection, diabetic or other retinopathies, thrombotic and coagulative disorders, vasculitis, lymph angiogenesis, sexual disorders, age-related macular degeneration, and treatment/prevention of endometriosis and related conditions. Additional highly preferred indications include fibromas,</p>
--	--	--	--	--	--

					<p>heart disease, cardiac arrest, heart valve disease, and vascular disease.</p> <p>Preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders").</p> <p>Preferred indications include autoimmune diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis and/or as described below) and immunodeficiencies (e.g., as described below). Additional preferred indications include inflammation and inflammatory disorders (such as acute and chronic inflammatory diseases, e.g., inflammatory bowel disease and Crohn's disease), and pain management.</p>
	HAIBO71	536	<p>Activation of transcription through NFAT response element in immune cells (such as natural killer</p>	<p>Assays for the activation of transcription through the Nuclear Factor of Activated T cells (NFAT) response element are well-known in the art and may be used or routinely</p>	<p>Highly preferred indications include blood disorders (e.g., as described below under "Immune Activity", "Blood-Related Disorders", and/or "Cardiovascular Disorders").</p>